

Figure 1

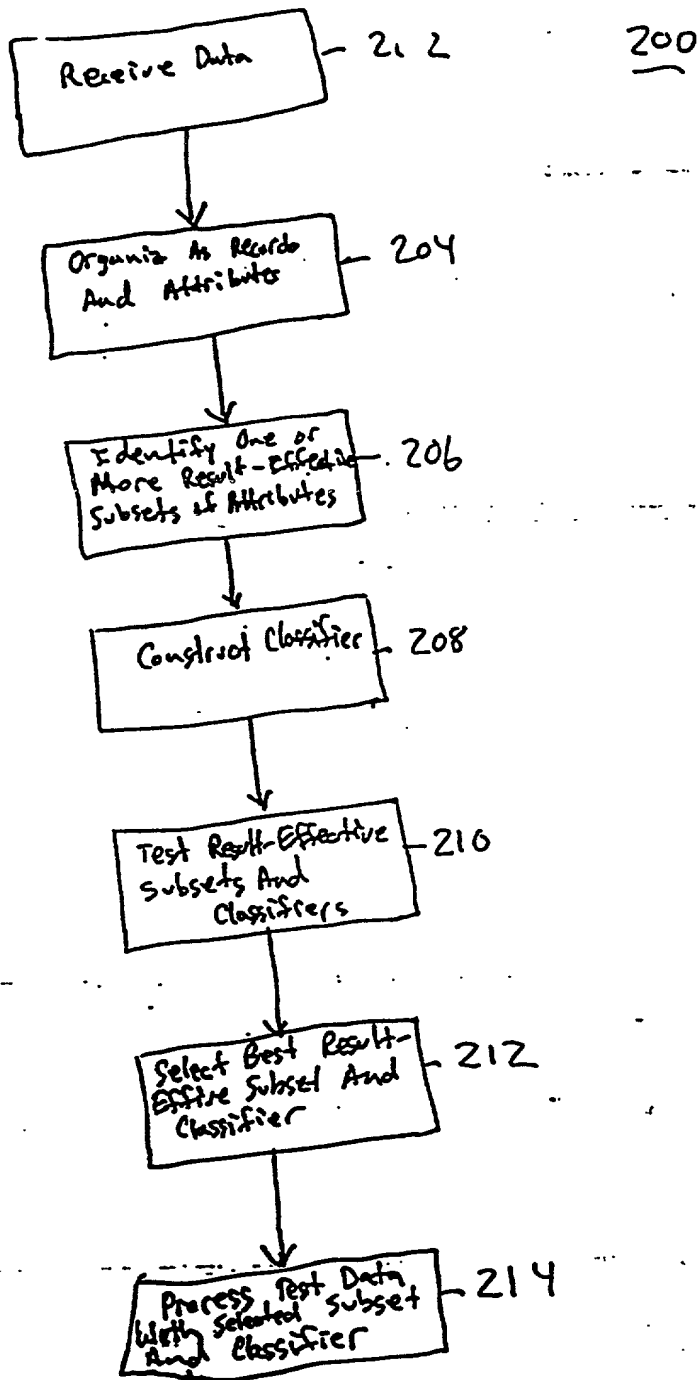
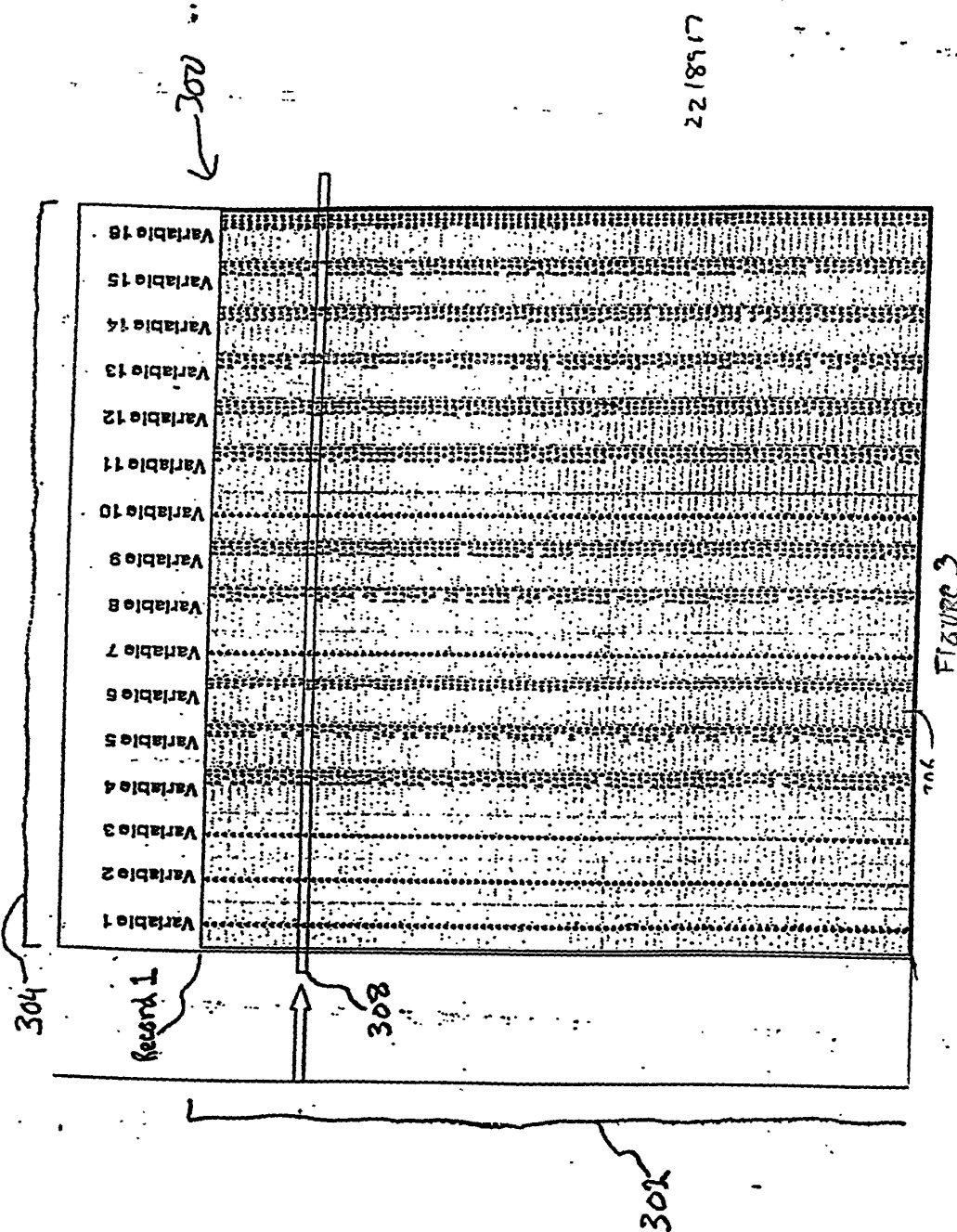


Figure 2

100% Approved



Variable 4

400

404

B	D	F	20.80	88	B	1.98	1.60	A	0.30	1.53	1.95	0.95	3.33	485
A	A	B	16.00	96	D	2.65	2.33	A	0.25	1.93	4.70	1.04	3.59	1035
B	D	F	19.00	92	B	2.36	2.04	A	0.39	2.08	2.70	0.86	3.02	312
A	A	A	18.60	101	C	2.80	3.24	B	0.30	2.81	5.68	1.03	3.17	1185
A	A	B	22.50	86	B	1.45	1.25	A	0.50	1.63	3.60	1.05	2.65	450
B	D	E	22.00	80	B	1.65	2.03	B	0.37	1.63	3.40	1.00	3.17	510
B	D	F	19.00	98	C	2.45	2.43	A	0.29	1.44	4.25	1.12	2.51	1105
A	A	B	18.00	94	C	2.45	2.99	A	0.22	2.29	5.60	1.24	3.37	1265
A	B	C	17.20	85	B	2.60	2.65	B	0.37	1.35	2.76	0.86	3.28	378
B	D	F	21.00											

308

LOW HIGH

402

402a

402b

402c

Figure 4A

306

2218917

304

Variable 2

400

406

B	D	F	1.99	20.80	86	B	1.98	1.60	A	0.30	1.53	1.95	3.33	485
A	B	B	2.21	18.00	96	D	2.65	2.33	A	0.28	1.98	4.70	3.59	1035
B	B	F	1.94	19.00	92	B	2.36	2.04	A	0.39	2.08	2.70	3.02	312
A	A	A	2.57	18.60	101	C	2.80	3.24	B	0.30	2.81	5.68	3.17	1185
A	A	A	2.70	22.00	101	C	3.00	3.25	A	0.28	2.88	3.90	2.71	1234
B	D	E	2.42	22.00	86	B	1.45	1.25	A	0.50	1.53	3.60	2.65	450
B	D	F	2.12	19.00	80	B	1.55	2.03	B	0.37	1.63	3.40	3.17	510
A	A	B	2.55	18.00	98	C	2.45	2.43	A	0.29	1.44	4.25	2.51	1105
A	A	C	2.60	17.20	94	C	2.45	2.99	A	0.22	2.29	5.60	3.37	1255
B	B	F	2.17	21.00	85	B	2.60	2.65	B	0.37	1.35	2.76	3.28	378

308

LOW HIGH

402

402a 402b 402c

Figure 4B

306

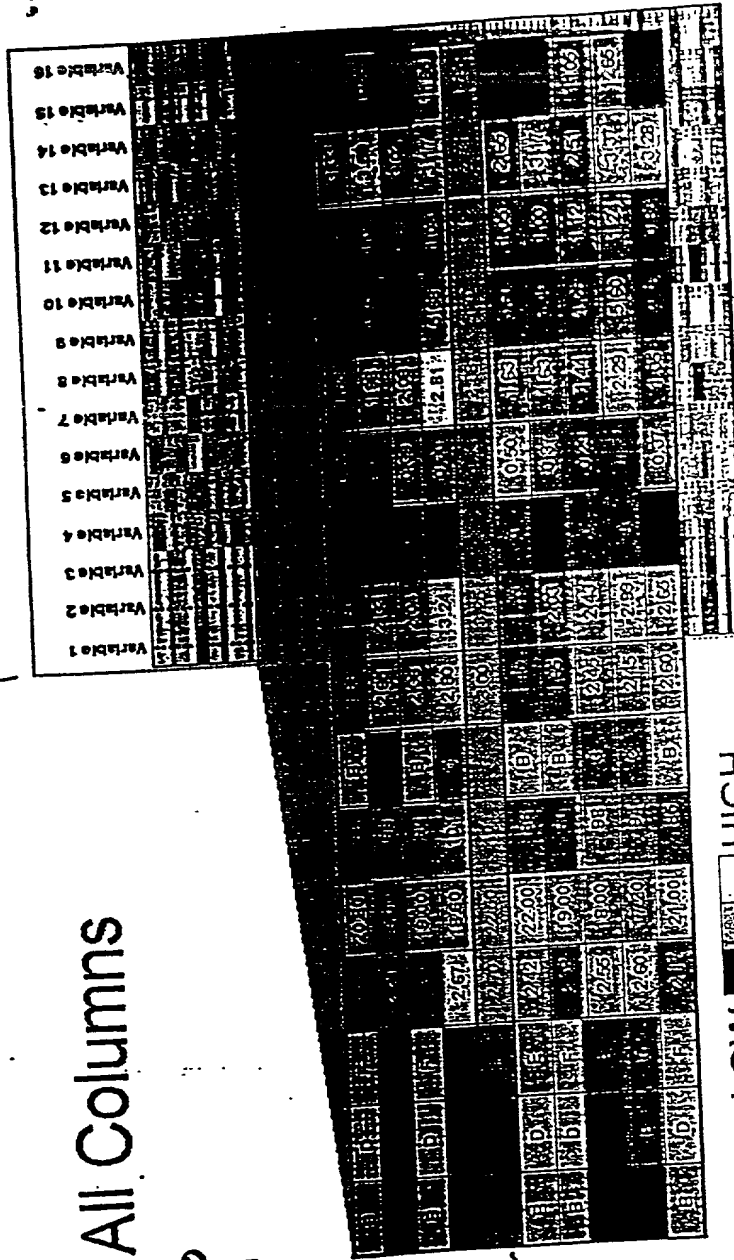
2218517

304

All Columns

400

304



LOW HIGH

402

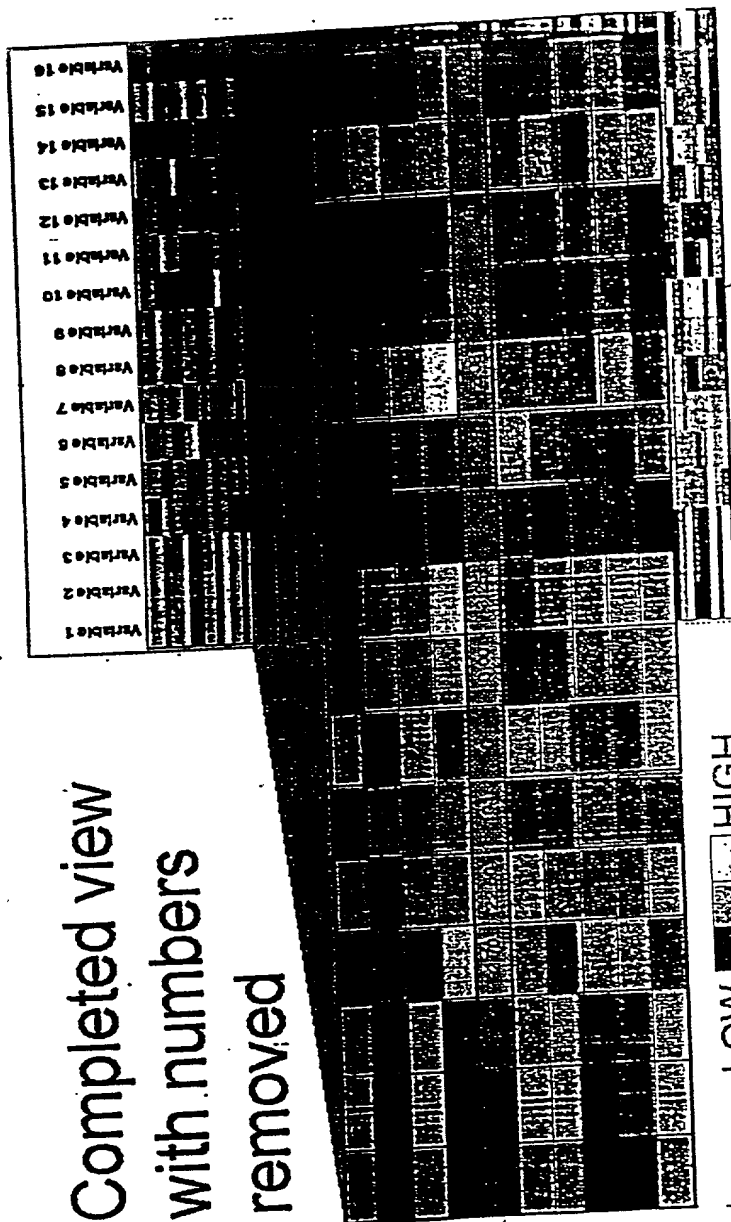
402a 402b 402c

Figure 4C

304

Completed view
with numbers
removed

308



LOW HIGH

402

402a 402b 402c Figure 4D

2218917

Ideal Case

500

Random

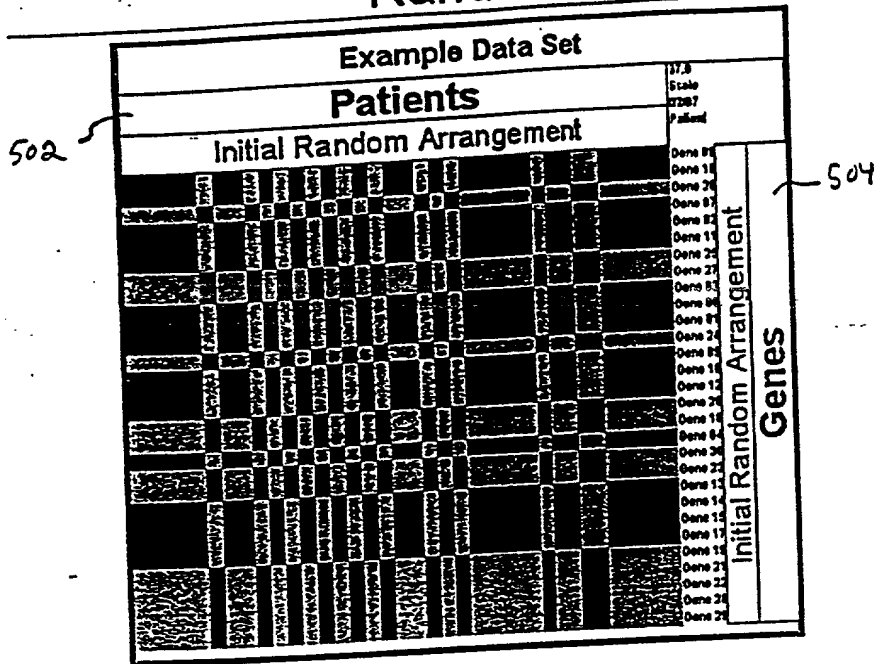


Figure 5A

Ideal Case

Sorted by Patients

500

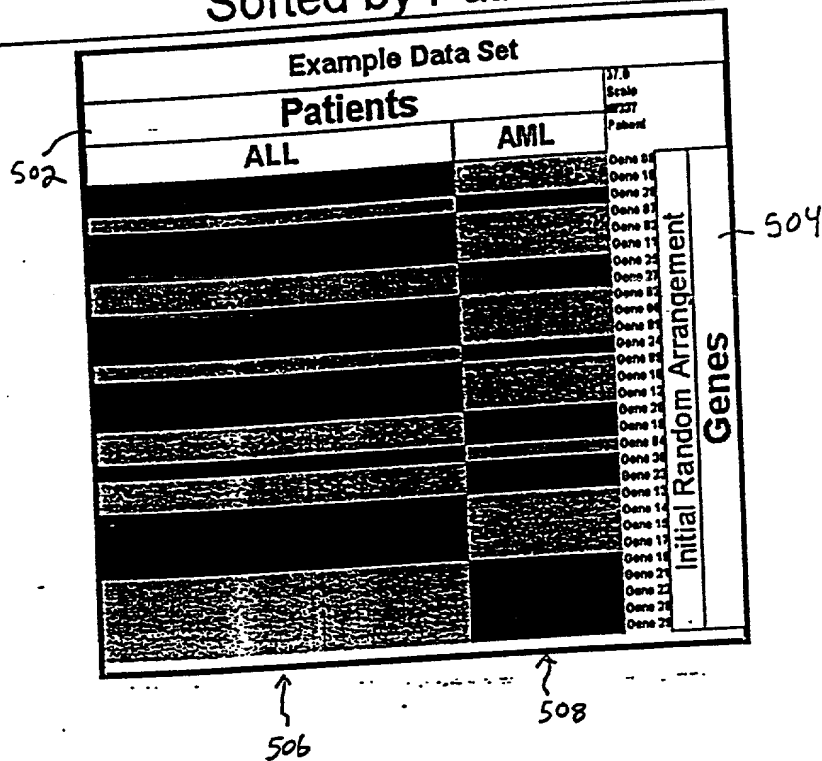


Figure 5B

2218917

204290"269700T

Ideal Case Grouped on Genes

500

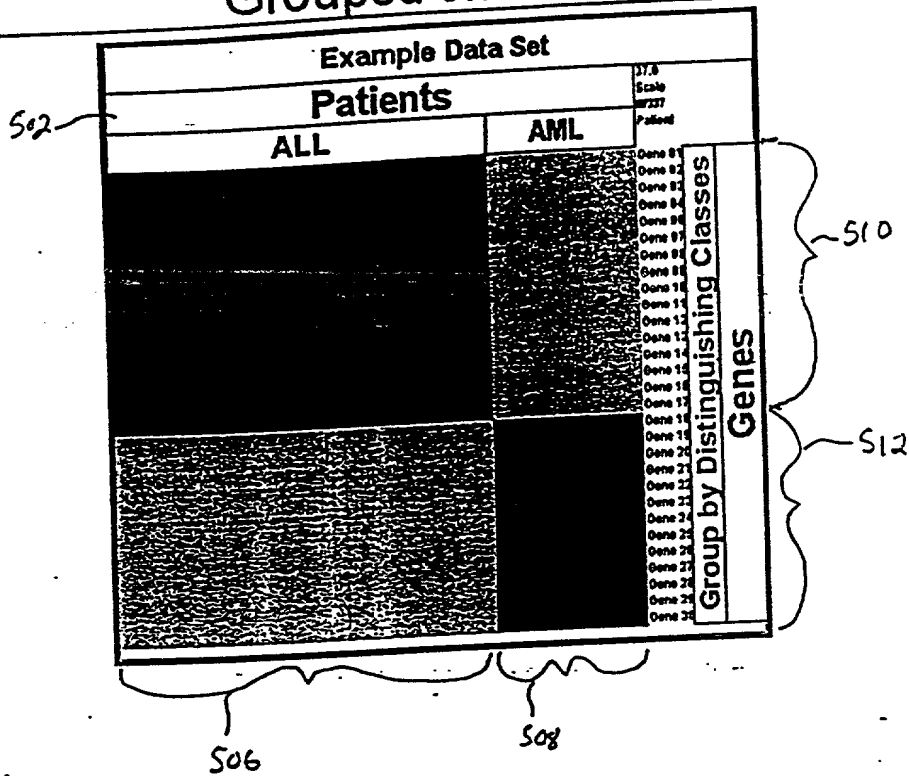


Figure 5c

22189V7

Random

600

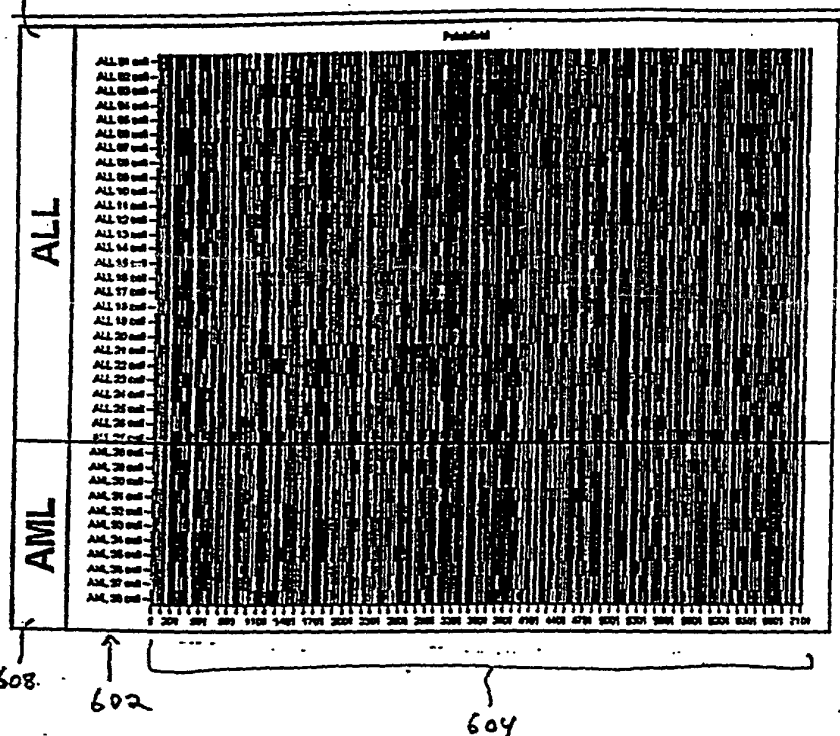


Figure 6A

2218947

Sort 1st Dimension

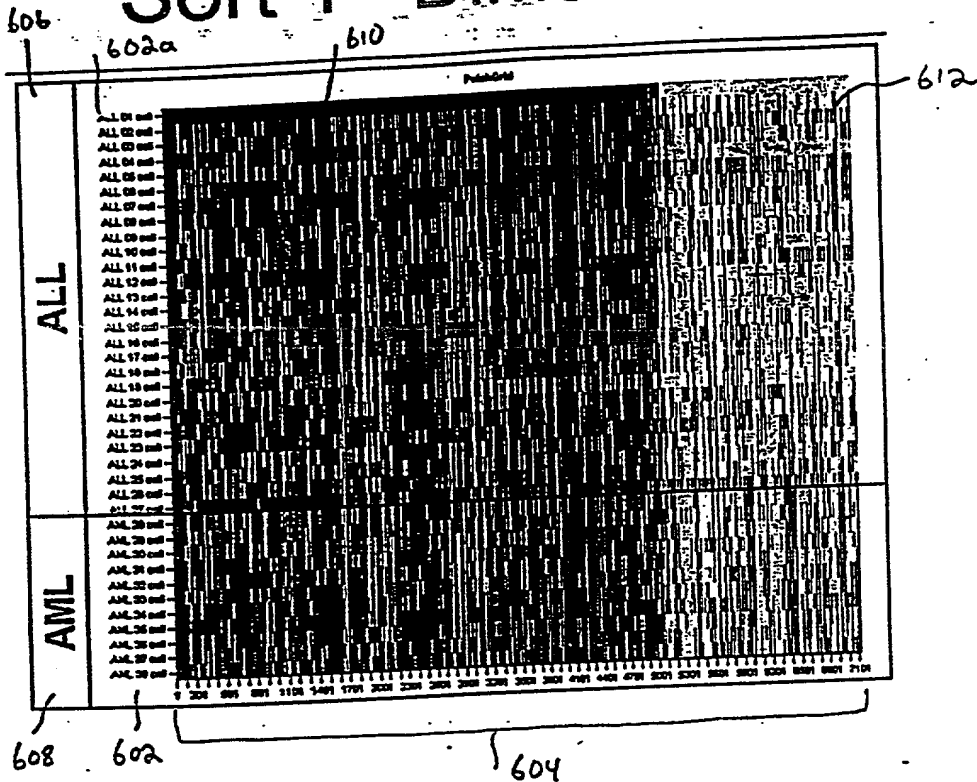


Figure 6B

2218917

204290-26922007

600

Sort 2nd Dimension

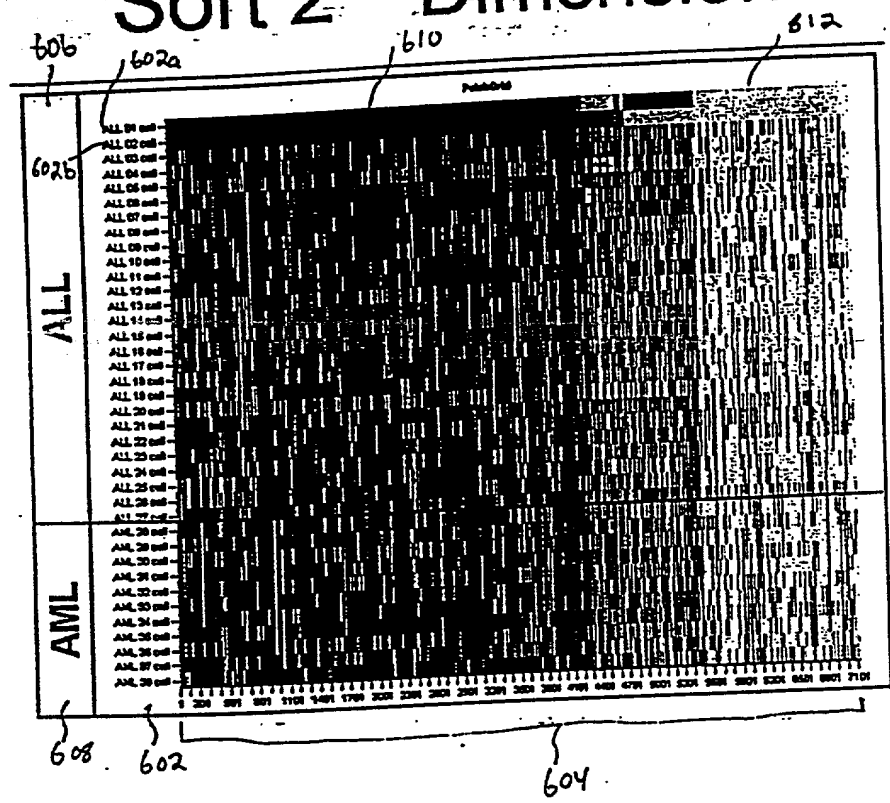


Figure 8c

2218917

6c

12/17/

Sorted 5 Dimensions

600

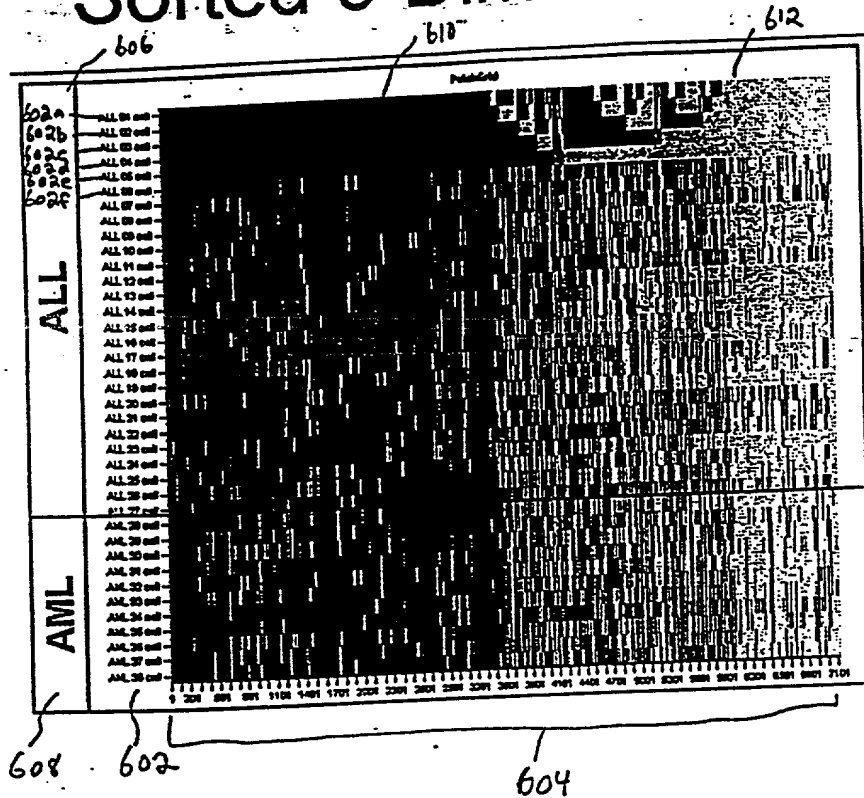


Figure 6D

2218917

(D)

5

12/17

Sorted 33 Dimensions

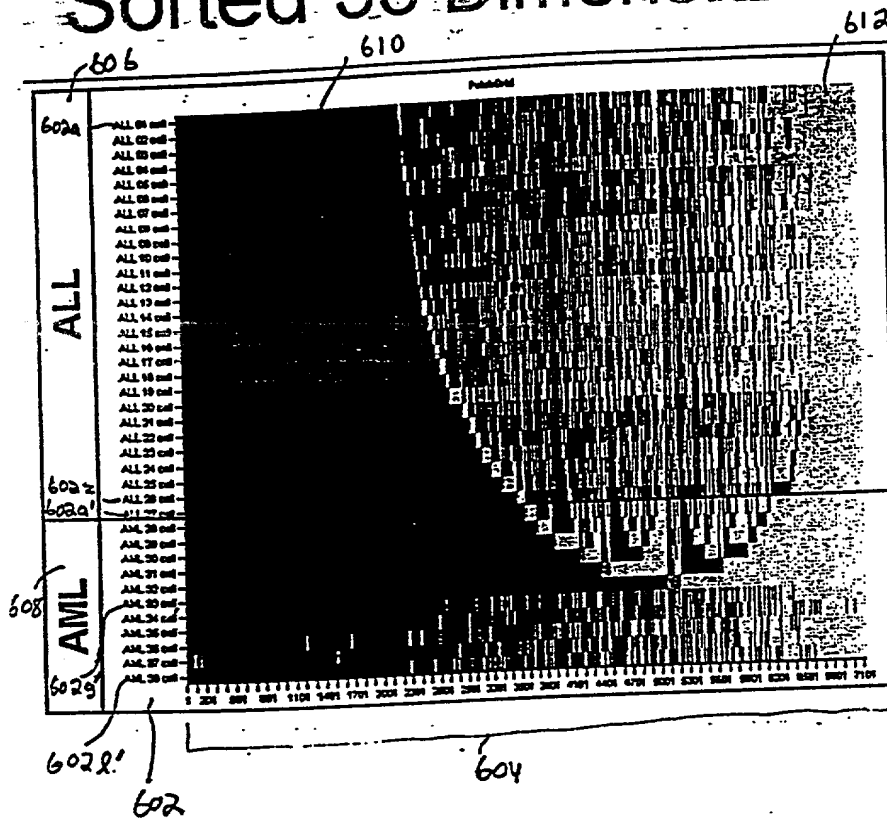


Figure 6E

2218917

All Dimensions Sorted

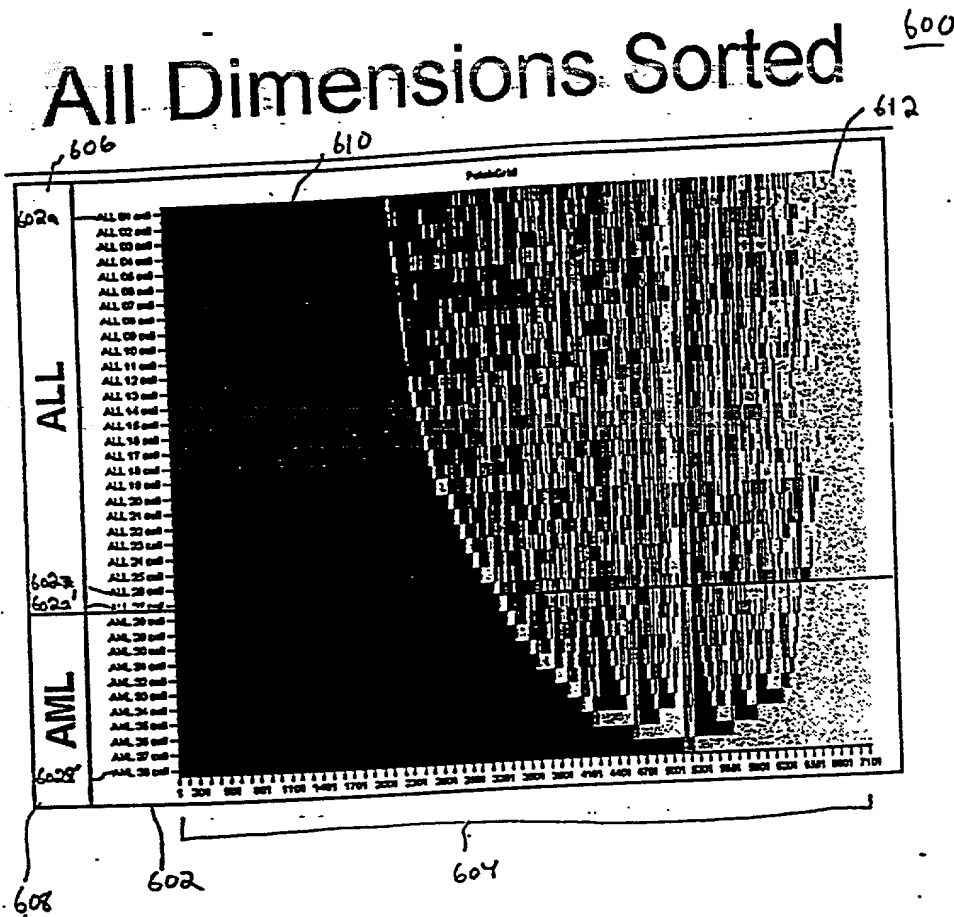


Figure 6F

2218717

6F

12/17K

file://D:\TEMP\Figure 18f - All Sorted PatchGrid.gif

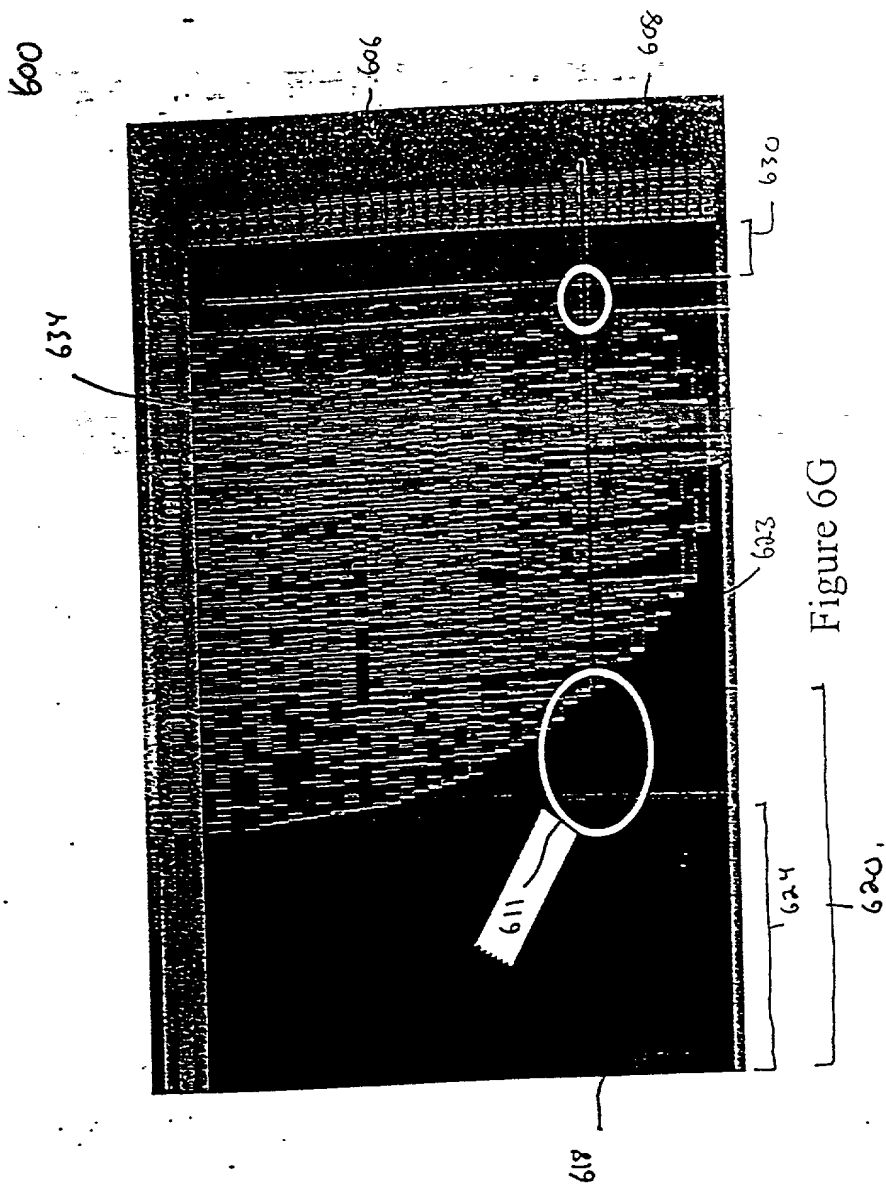
[illegible]

Figure 6G

204290 269700T

634
459

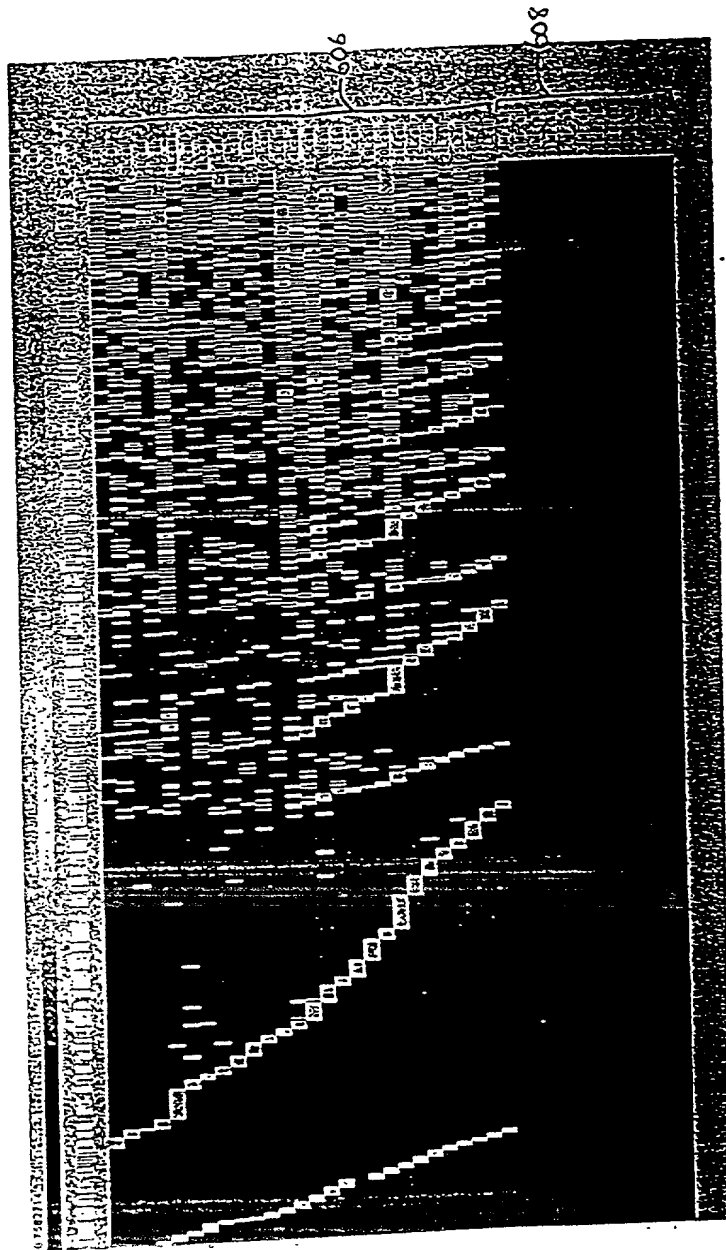


Figure 6H

1883502

Principal Uncorrelated Record Selection

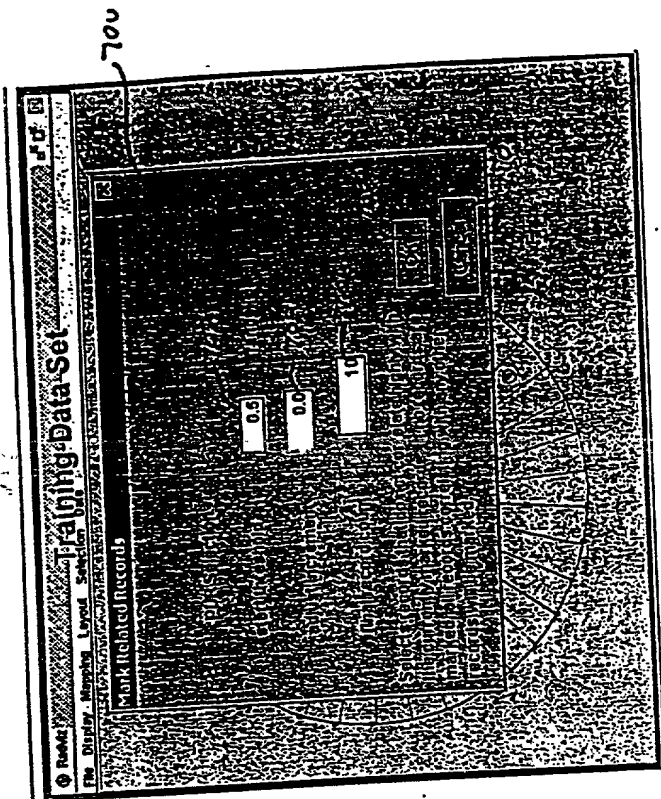


Figure 7

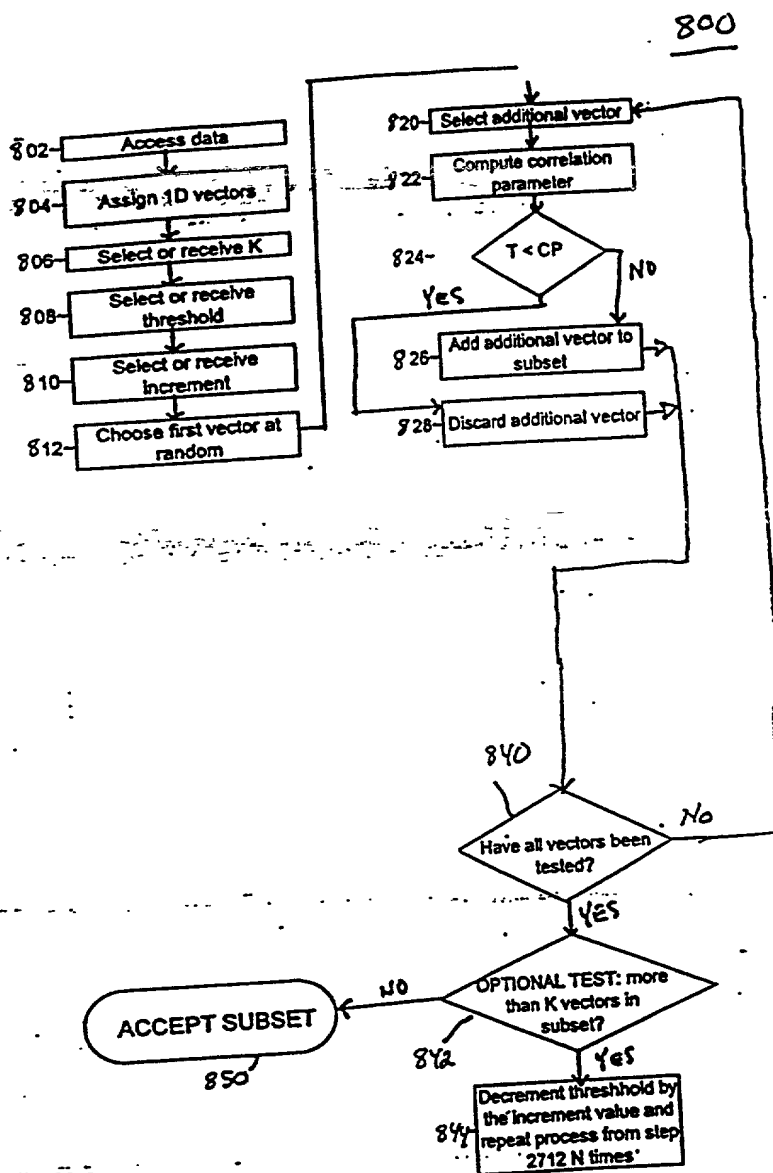


Figure 8.

76 Principal Uncorrelated Genes

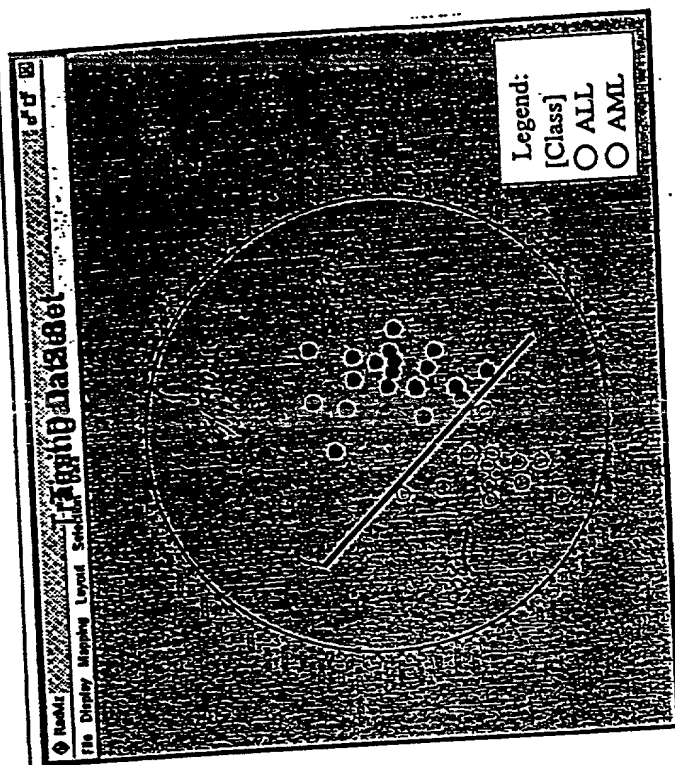


Figure 9

Pearson Correlation Coefficients (Affymetrix Absolute Data)

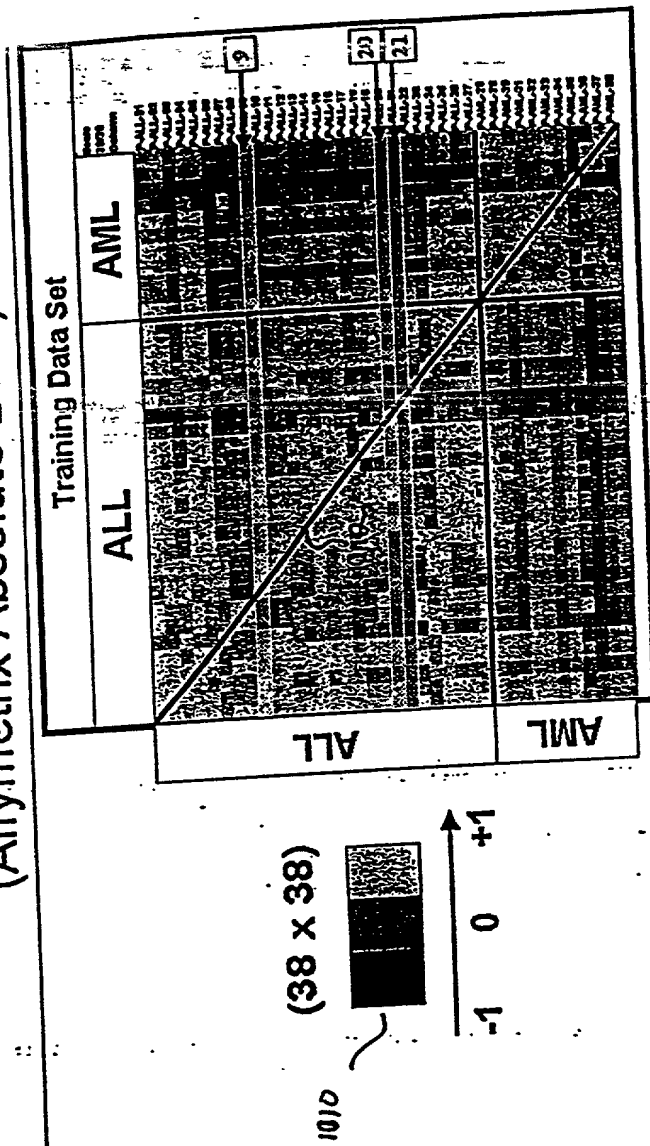


Figure 106

204250-259200F

Pearson Correlation Coefficients (Affymetrix Comparative Data)

1003
2

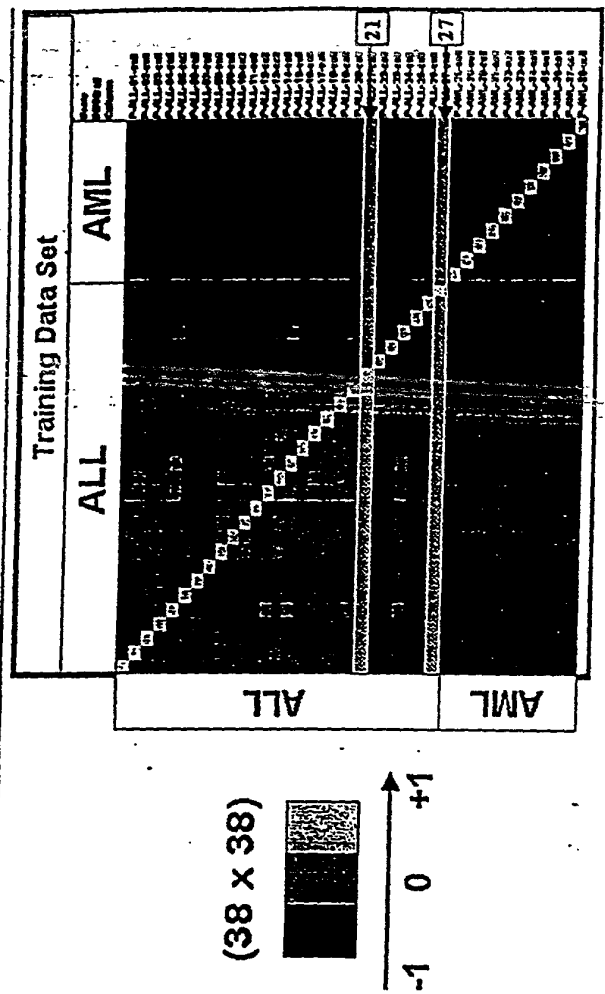


Figure 10C

2218917

Sort - Variable 1

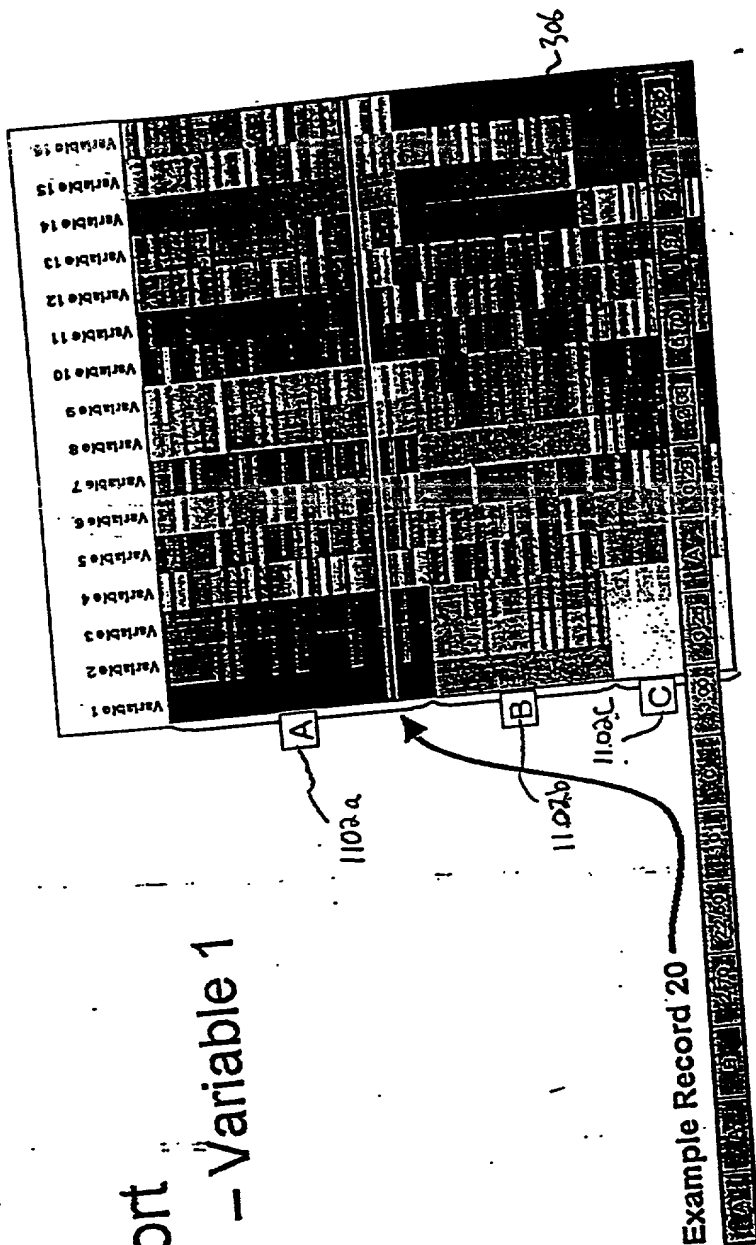


Figure 11B

2218917

- Variable 1
- Variable 2
- Split and Sort
- Variable 3

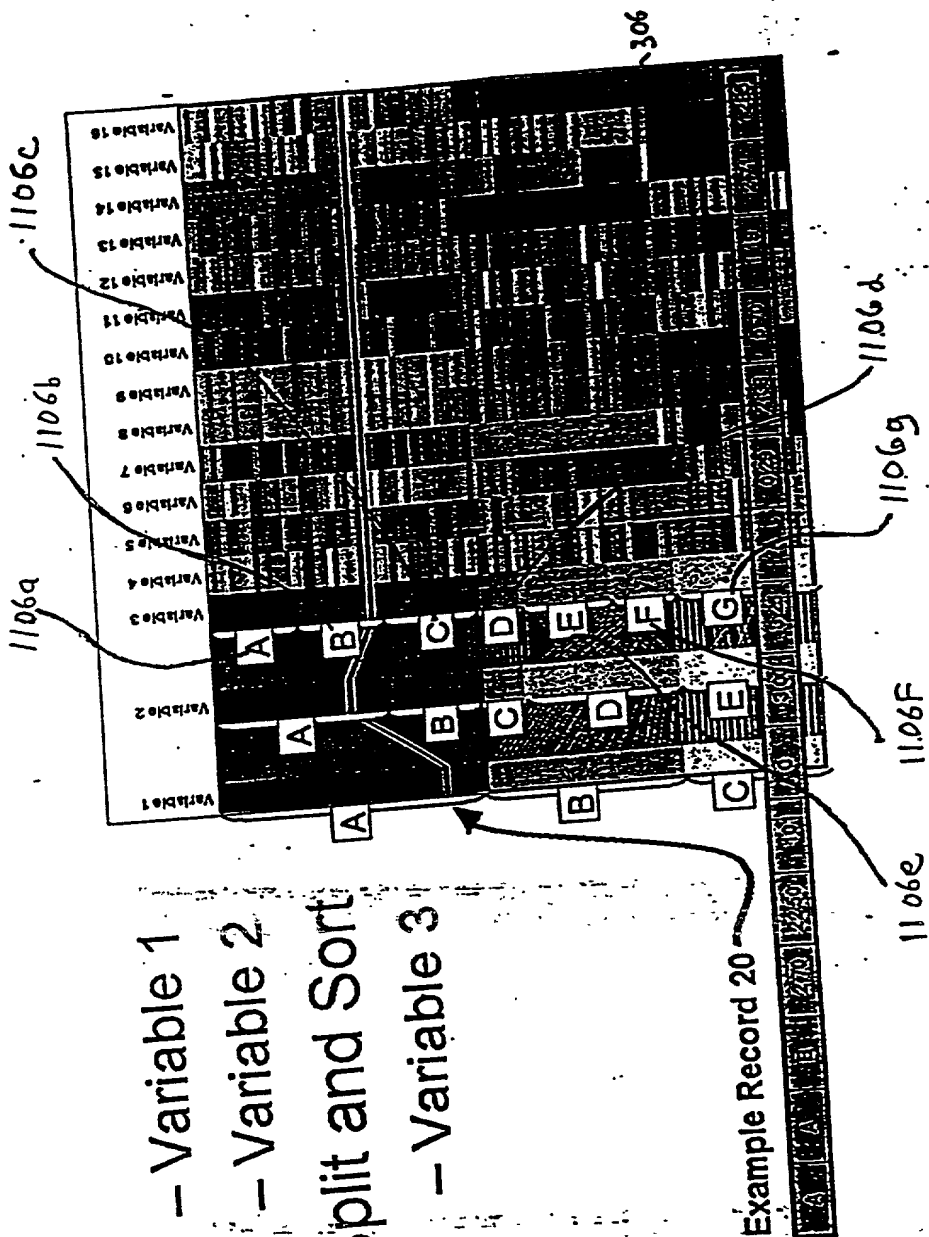


Figure 11D

Final Result

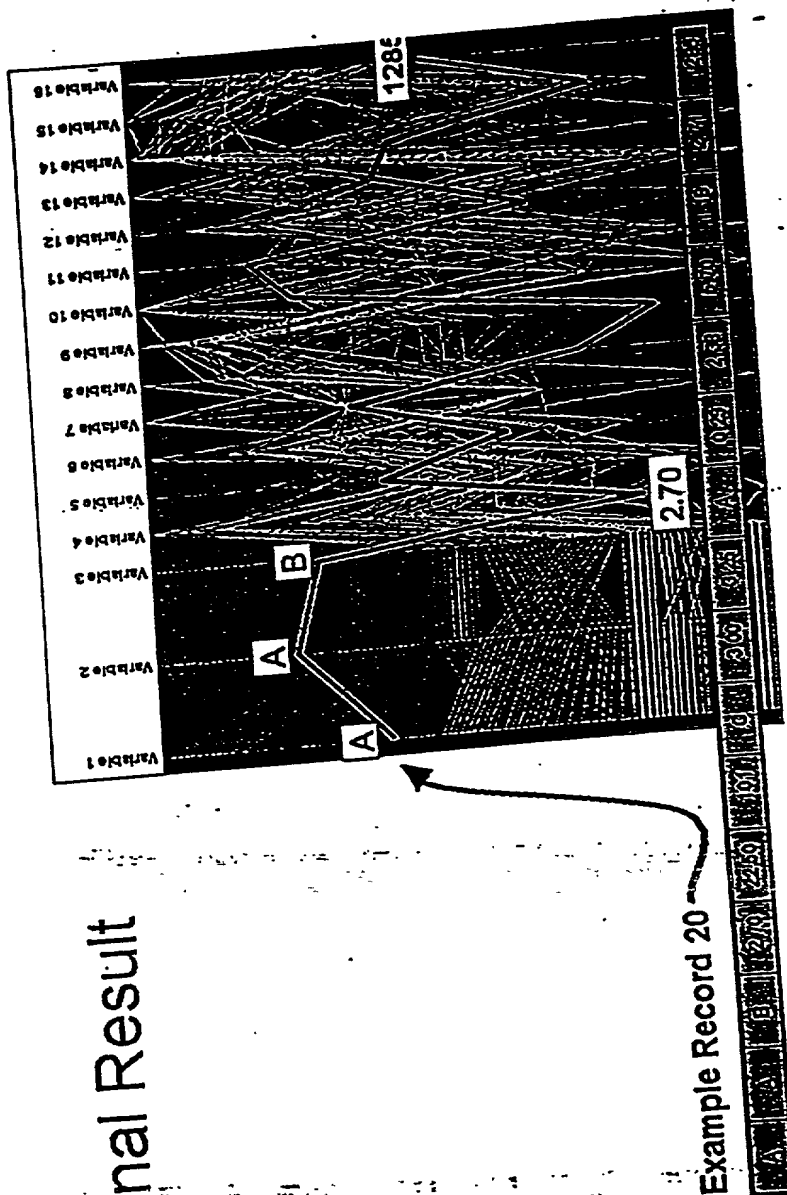


Figure 11E

2218917

Example record
showing the
underlying
connections

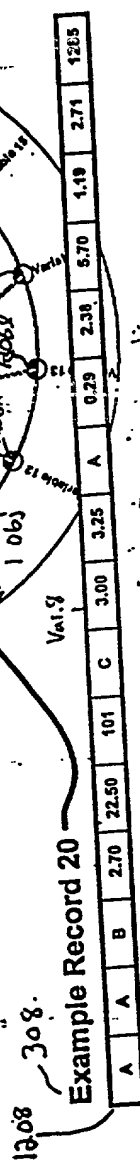


Figure 12A

1200
2

- AML
- ⊙ B-ALL
- T-ALL

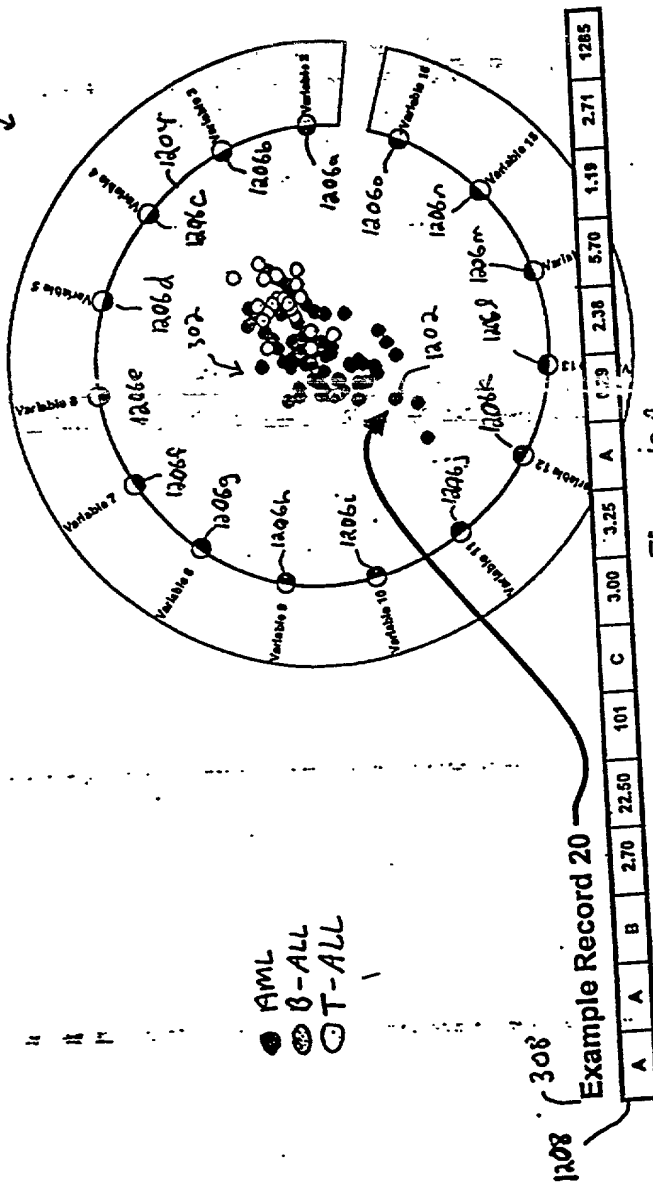


Figure 12B

2259888

Visual Classifier

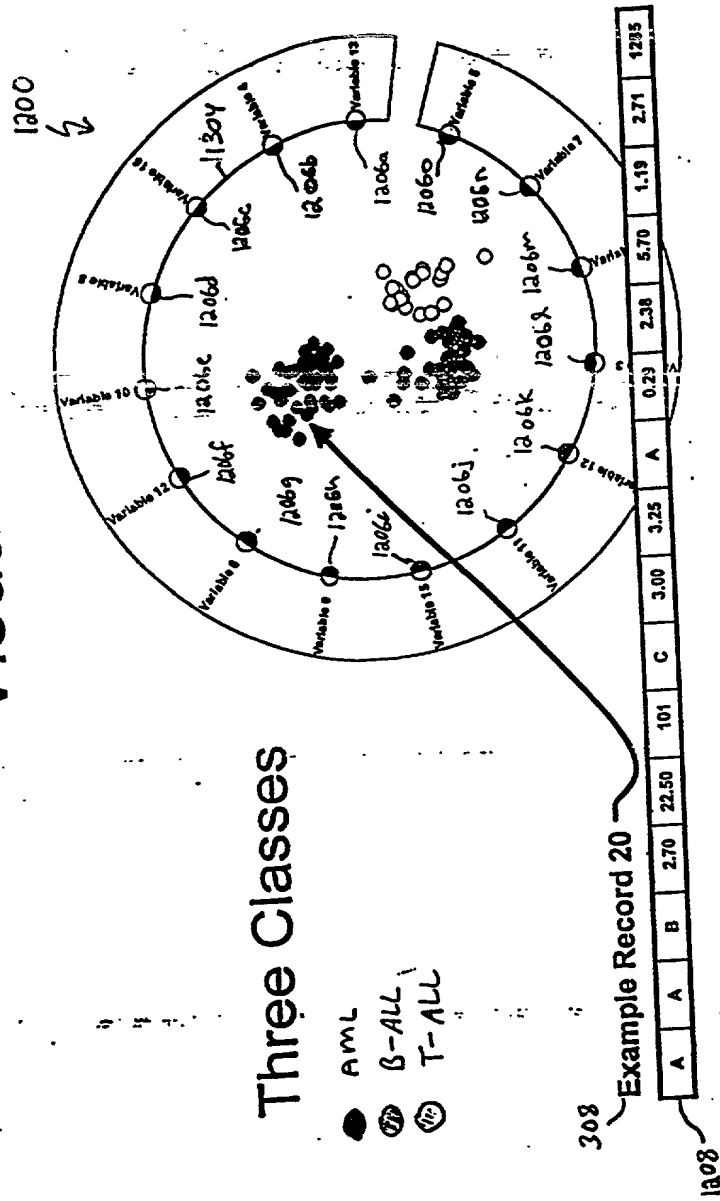


Figure 12C

204290" 269/00T

1300

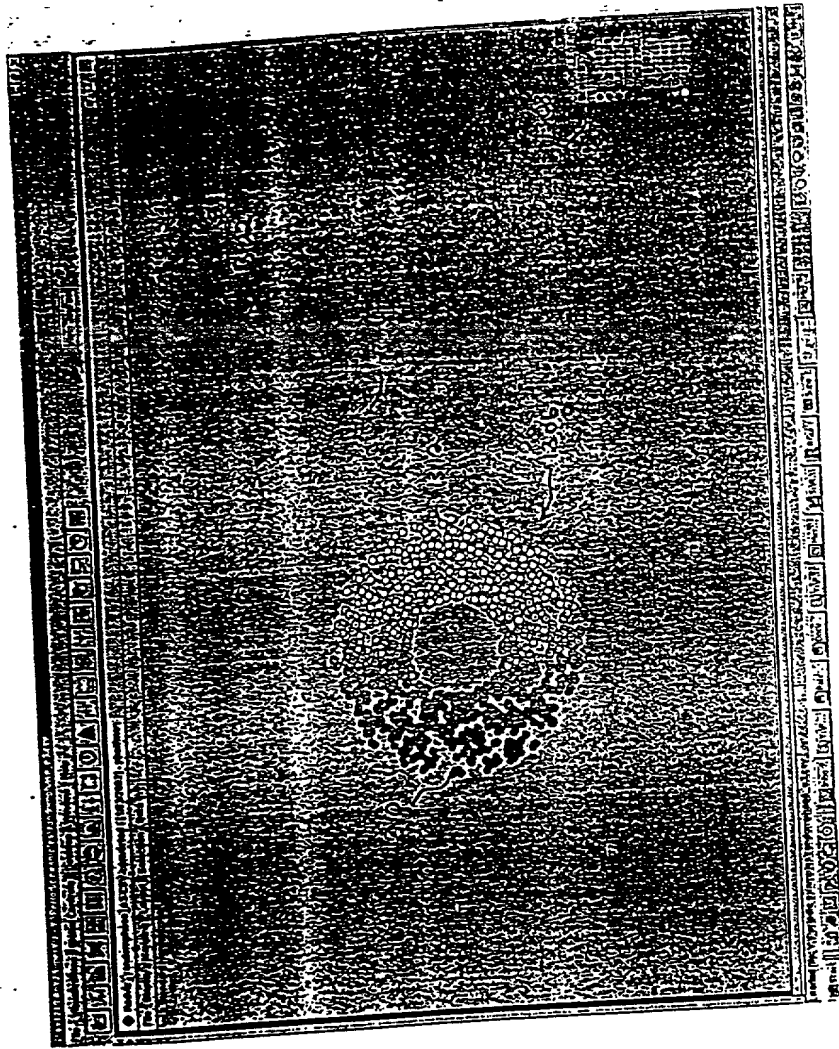


Figure 13A

226930

10077692.062402

101

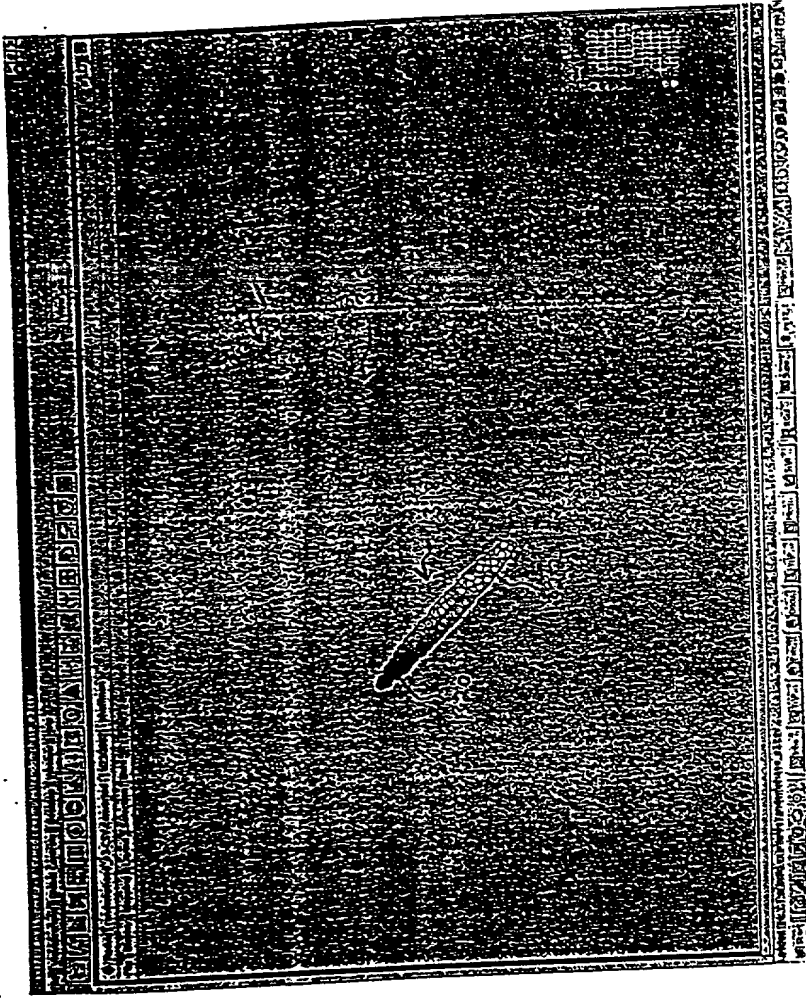
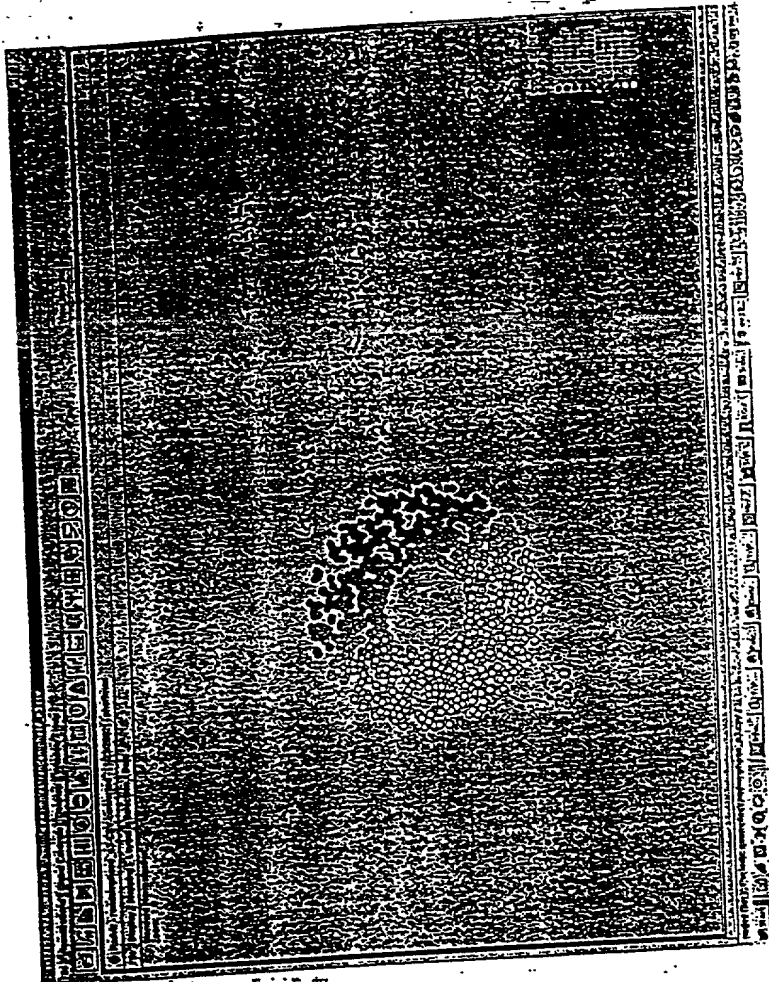


Figure 13 B

2261307

204290" 2597200T

1303



216937

Figure 13C

204280" 269700T

1305

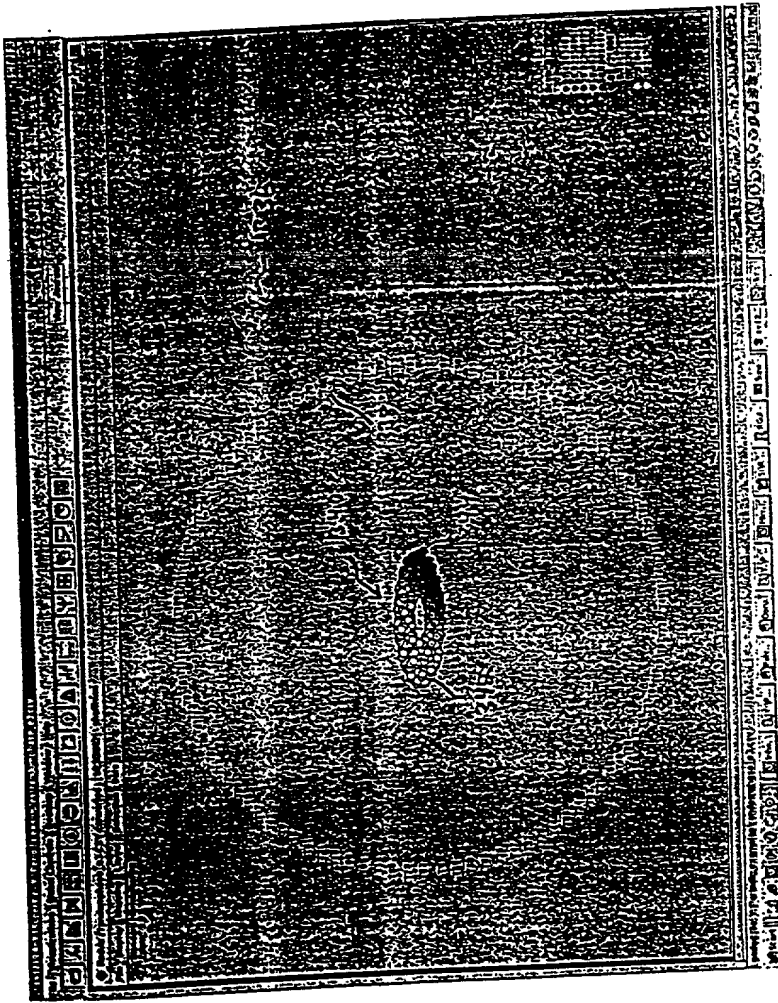


Figure 13D

226937

204290" 269700T

1307

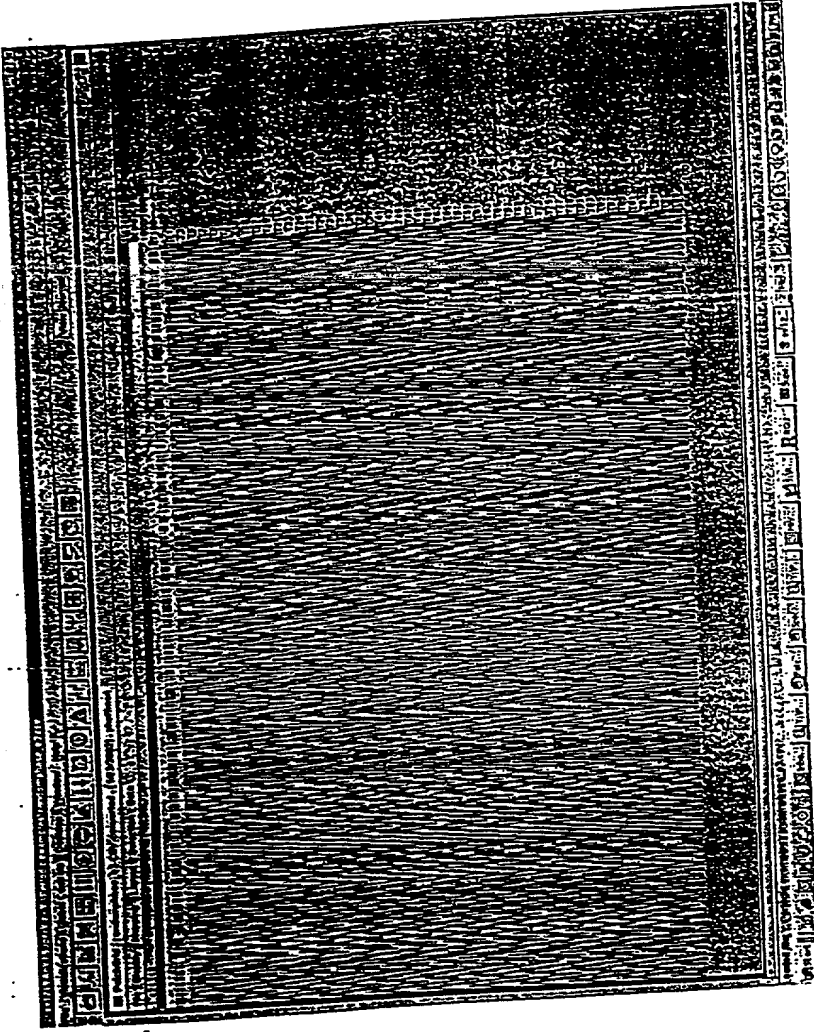
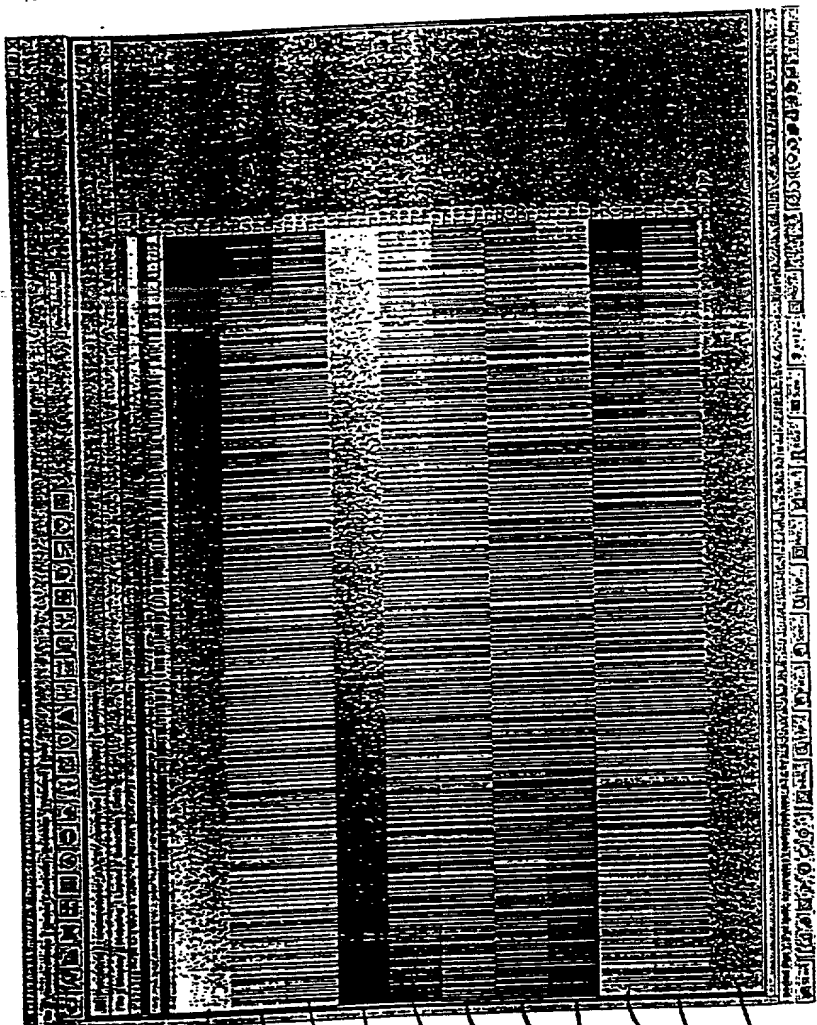


Figure 13 ~~EE~~

226937

204290" 269700T

1309



1346a
1346b
1346c
1346j
1346e
1346f
1346g
1346h
1346i
1346j
1346k

Figure 13F

204290T

204280" 269/00T

1311

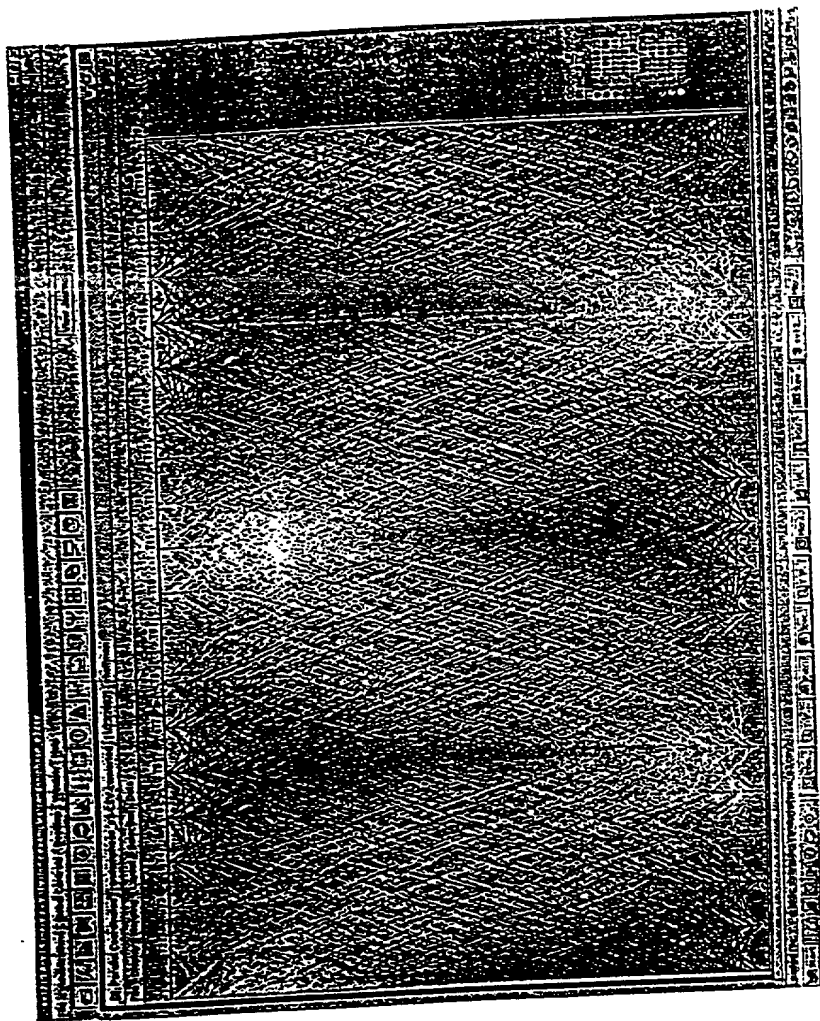


Figure 13G

226937

Transforming a
rectangular to a
radial layout

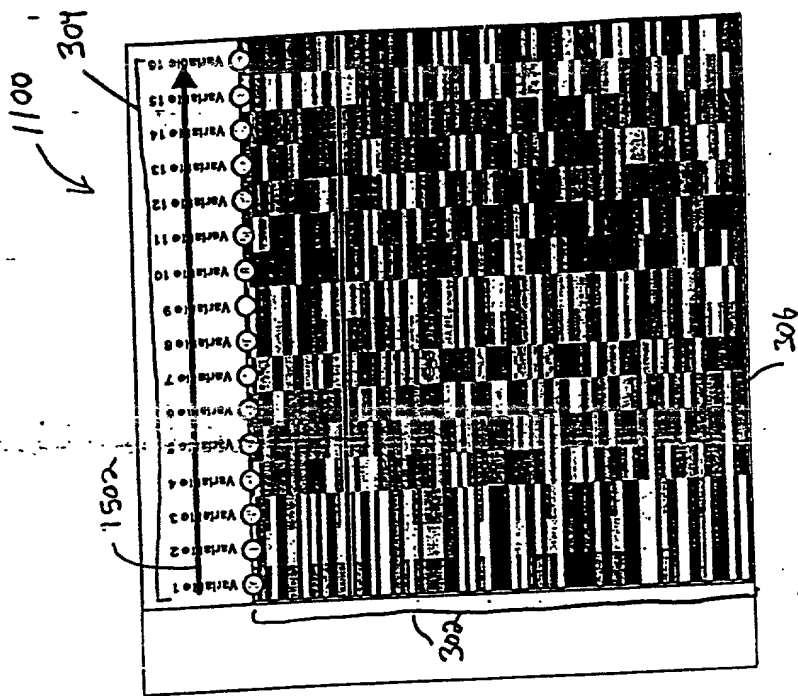


Figure 15A

Radial Layout

Transforming a rectangular to a radial layout

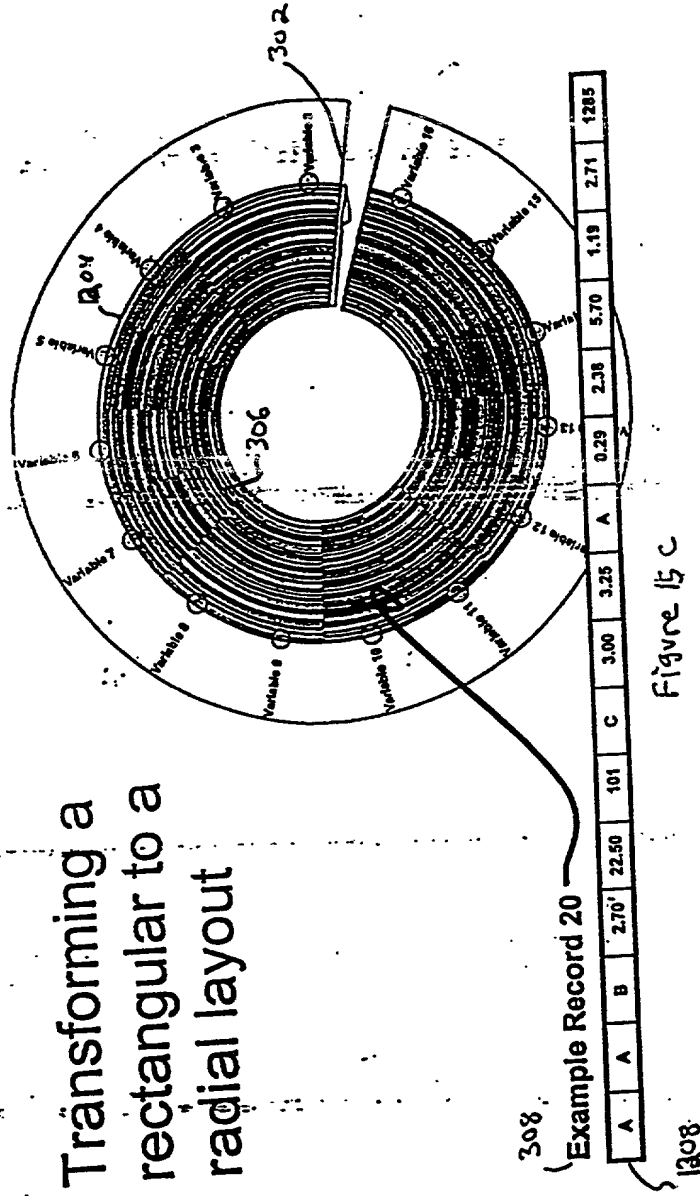


Figure 15 c

Shape Control - Before Moving Anchors

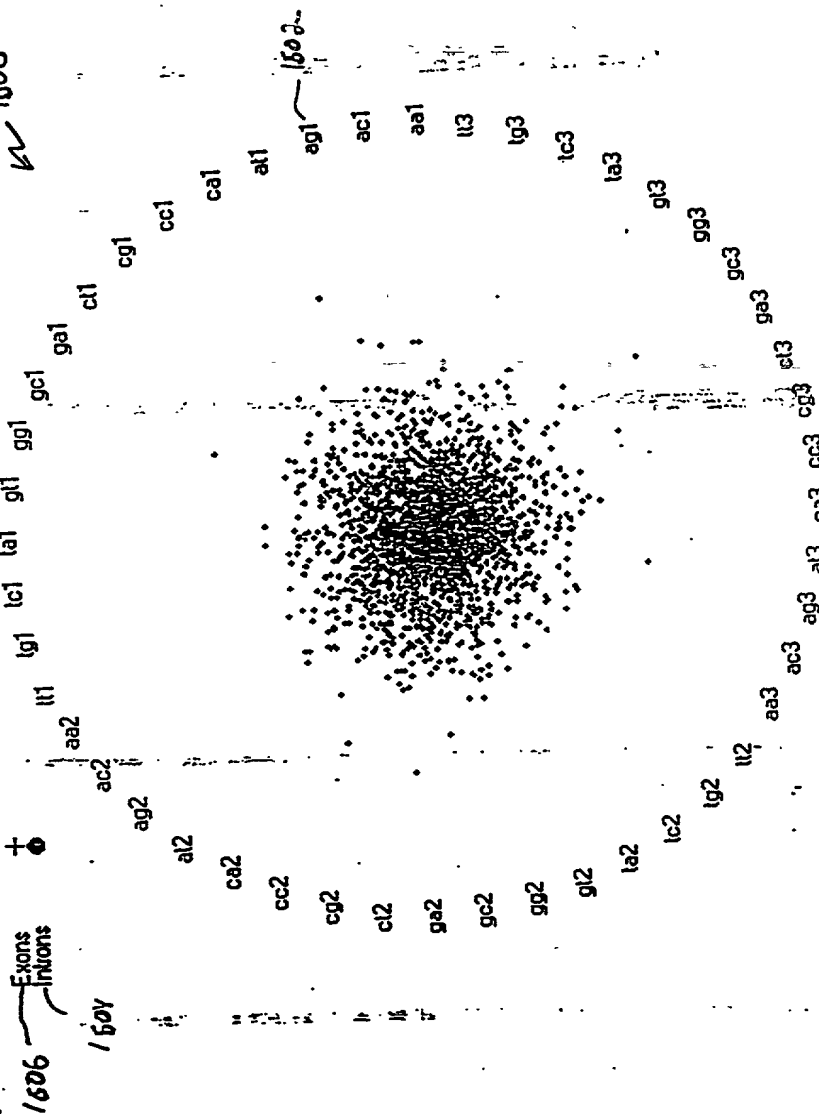
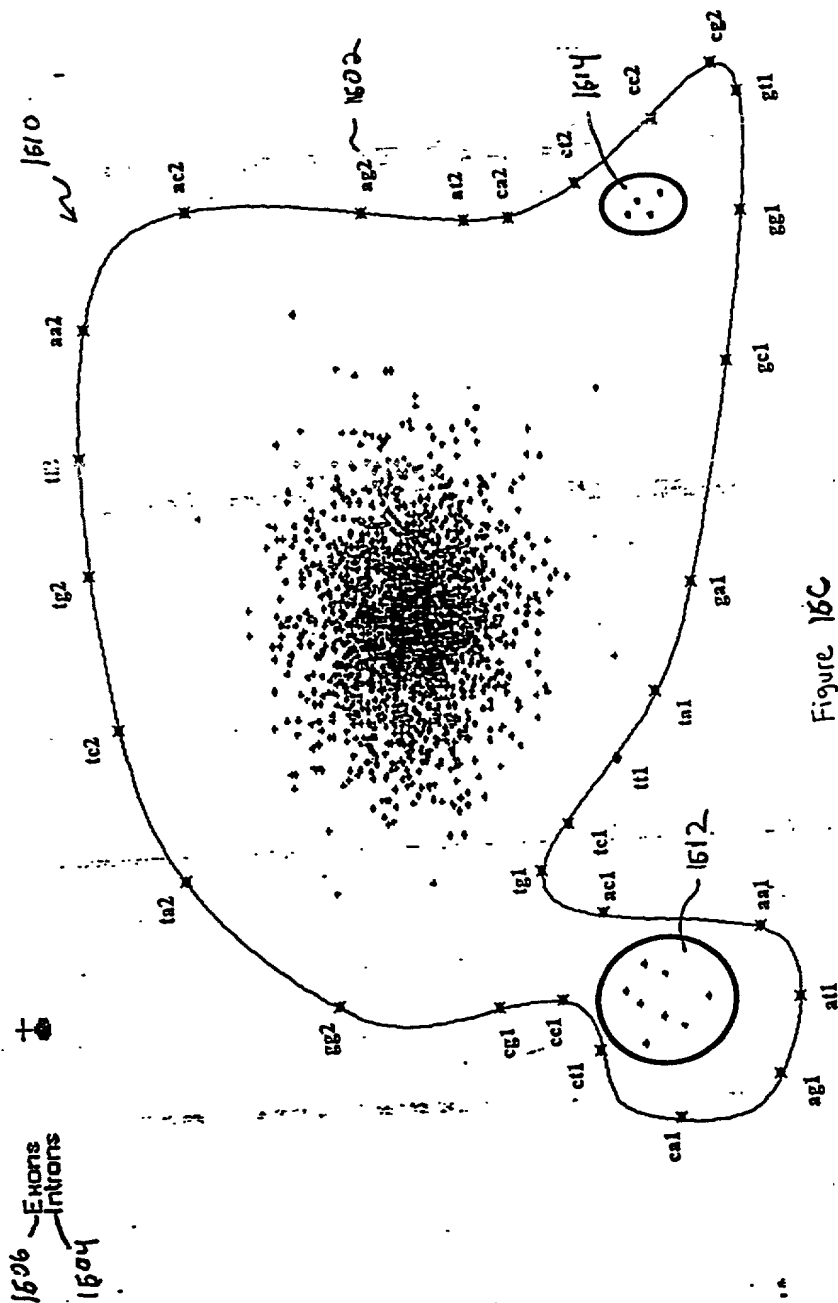


Figure 16 A

Shape Control - Arbitrary Spline



12-1620

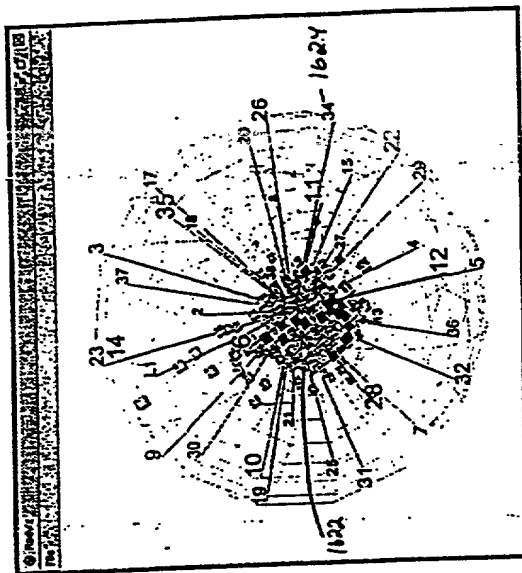


Fig. 16D

Figure 17

99CH21C

204290" 2697700T

1802 1801 1806 1808 1801 1800

1700

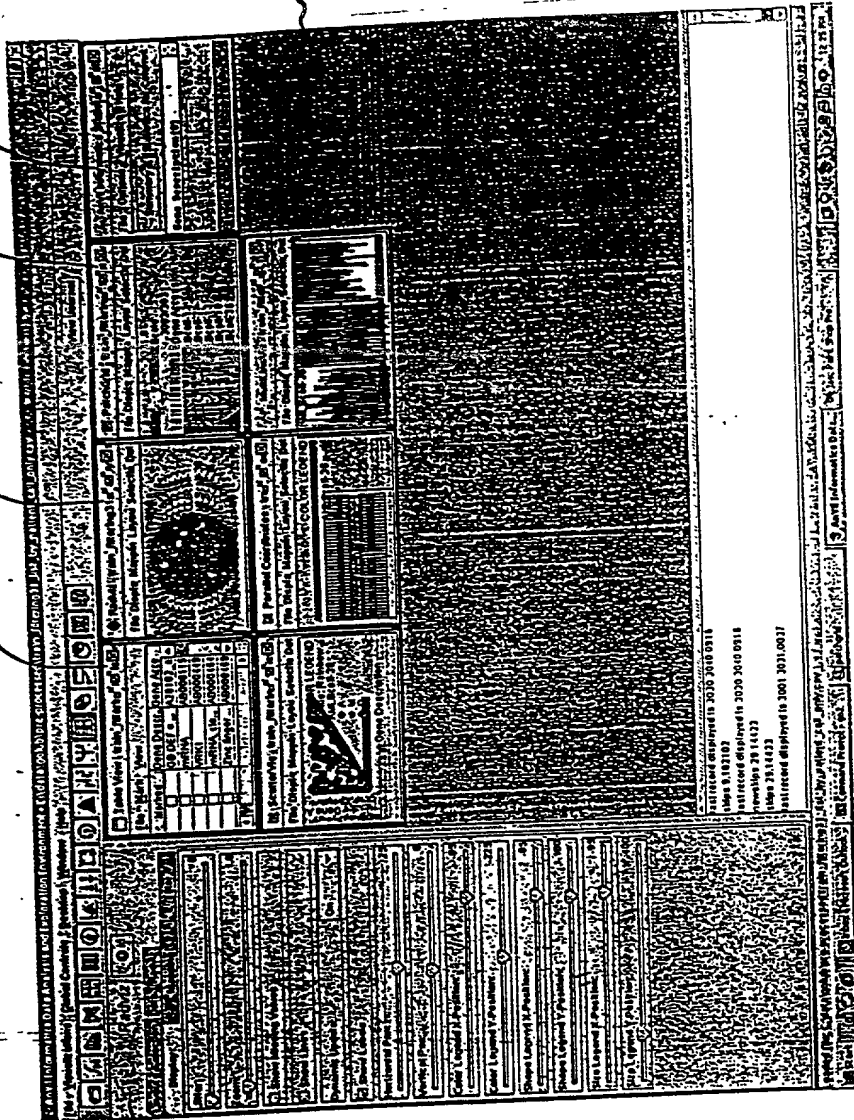


Figure 18

7718917

204290" 269400T

1900

1706

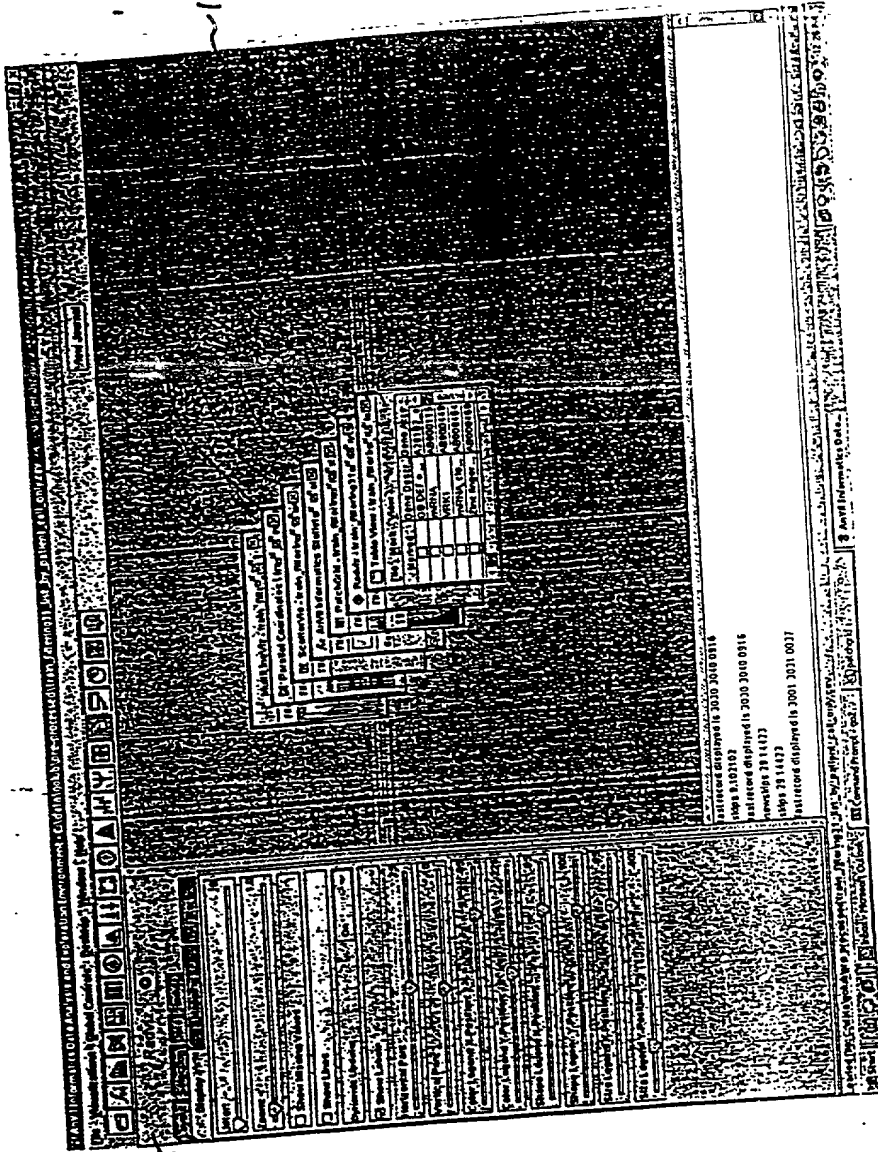


Figure 19

F16.30

204290 2692200T

2102

1706

1710g

1710a

1708

1718

2106

2104

2108

1720

2102

2110

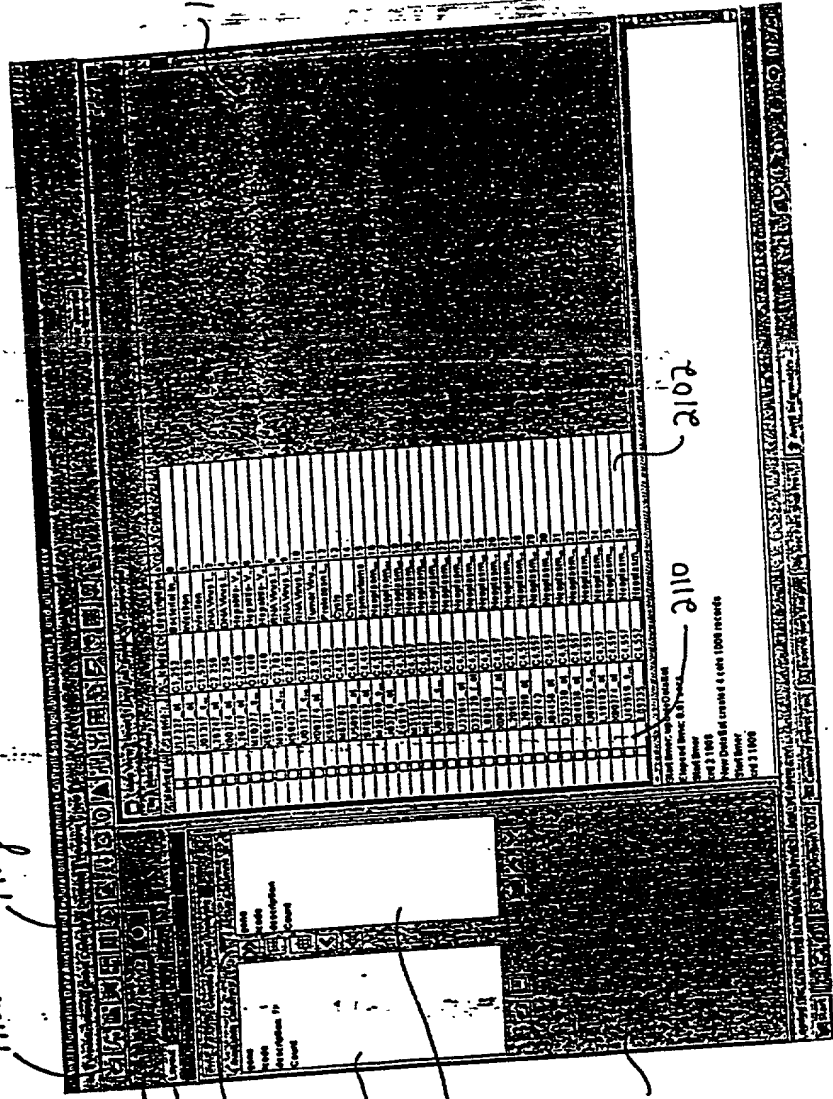


Figure 21

2174305

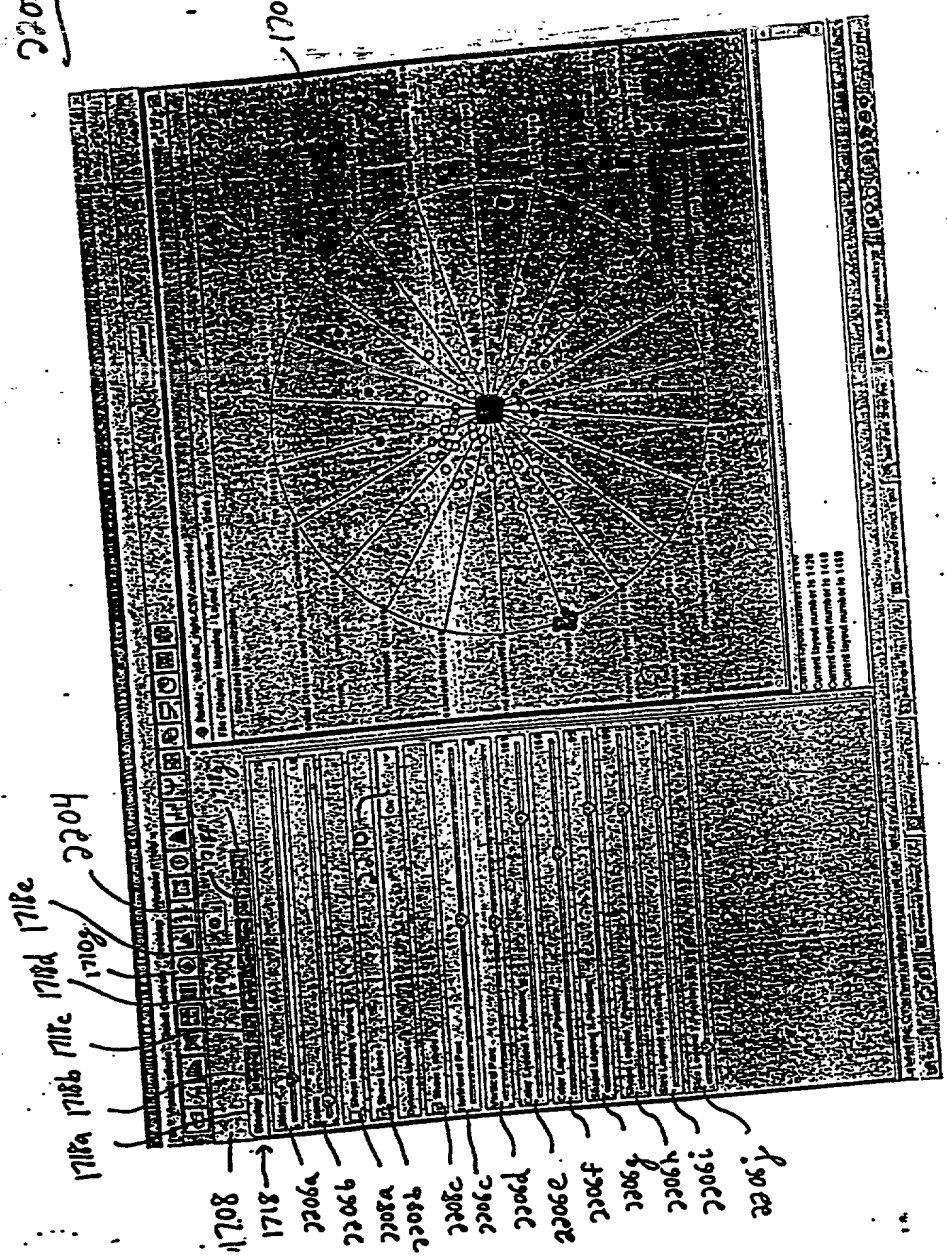


Figure 22

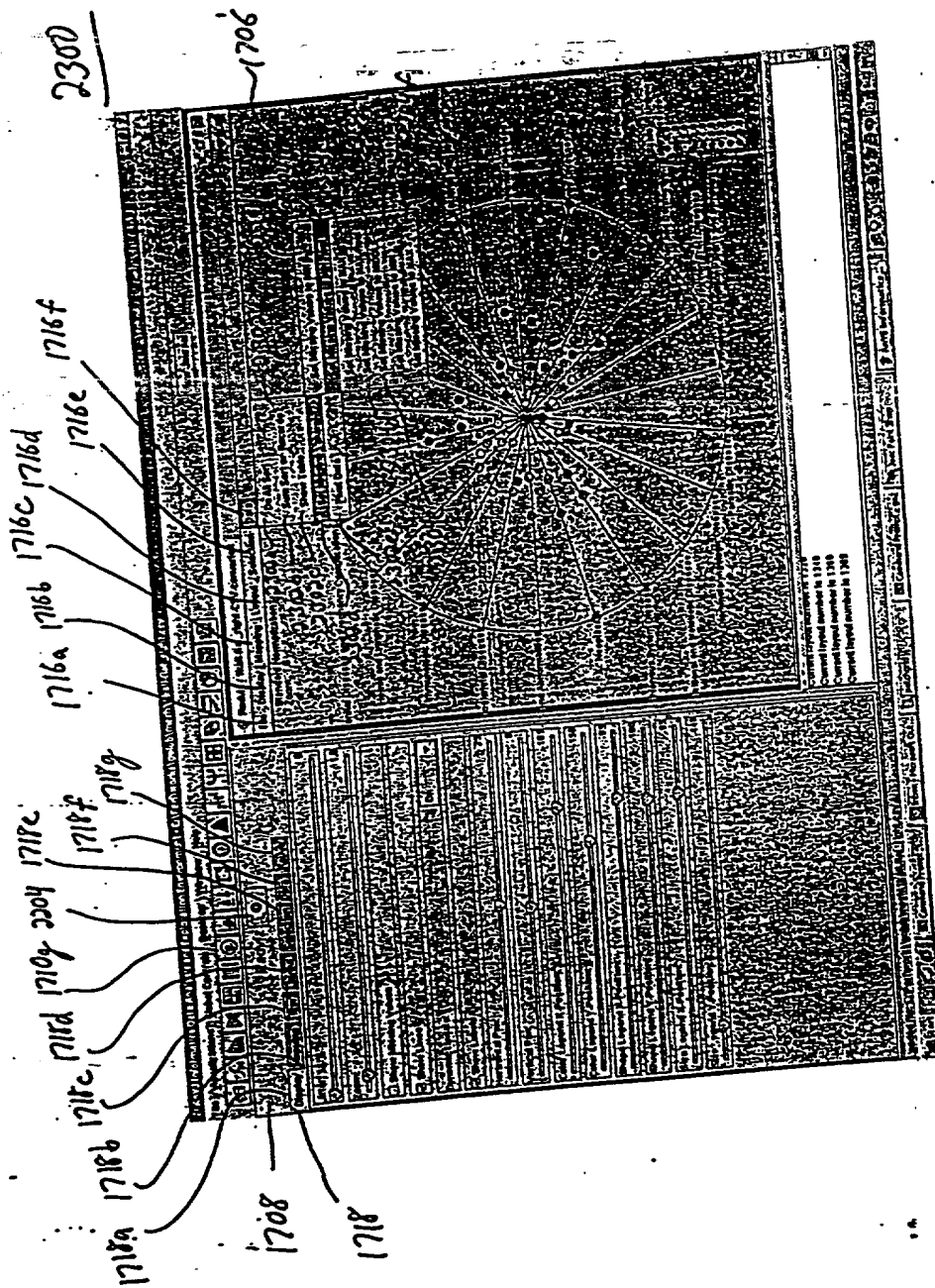
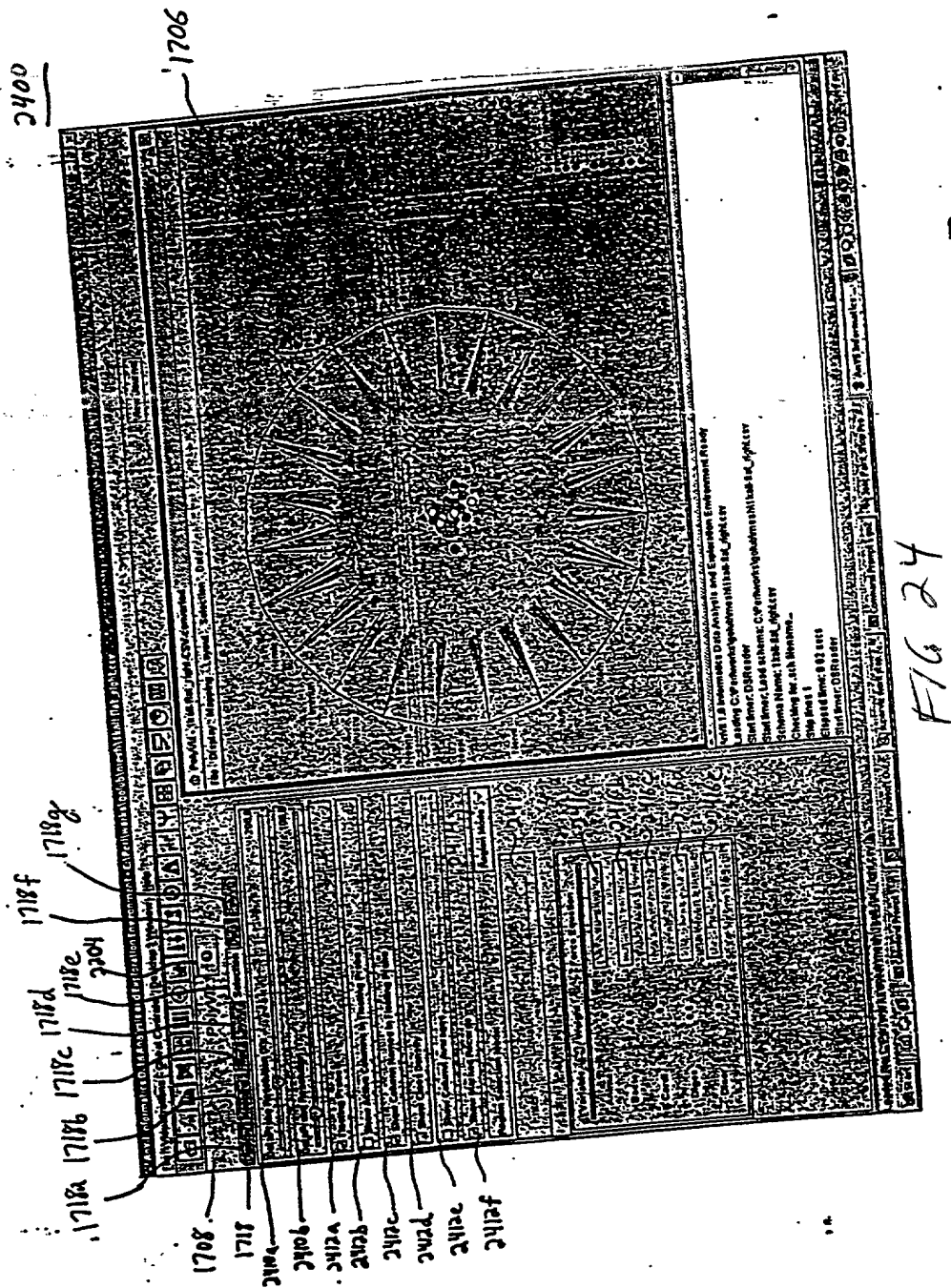


Figure 23



2500

9812

1708-

host

25-08

2512

h151

1706

25

Figure 25

168128

204290 269700T

2600

1708b 2604b 2604 2604a

1708

2602

1710

1708

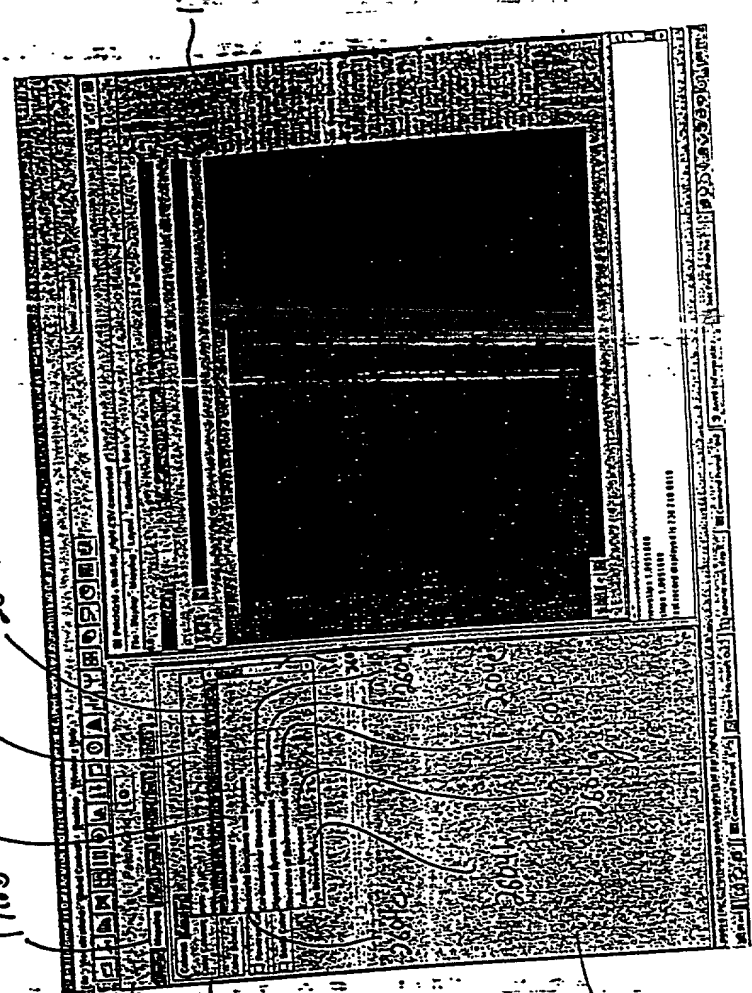


Figure 26

228917

204290-2694001

2702

1706

2702a

1708c

1708

2702

2704

2706

2708

2710

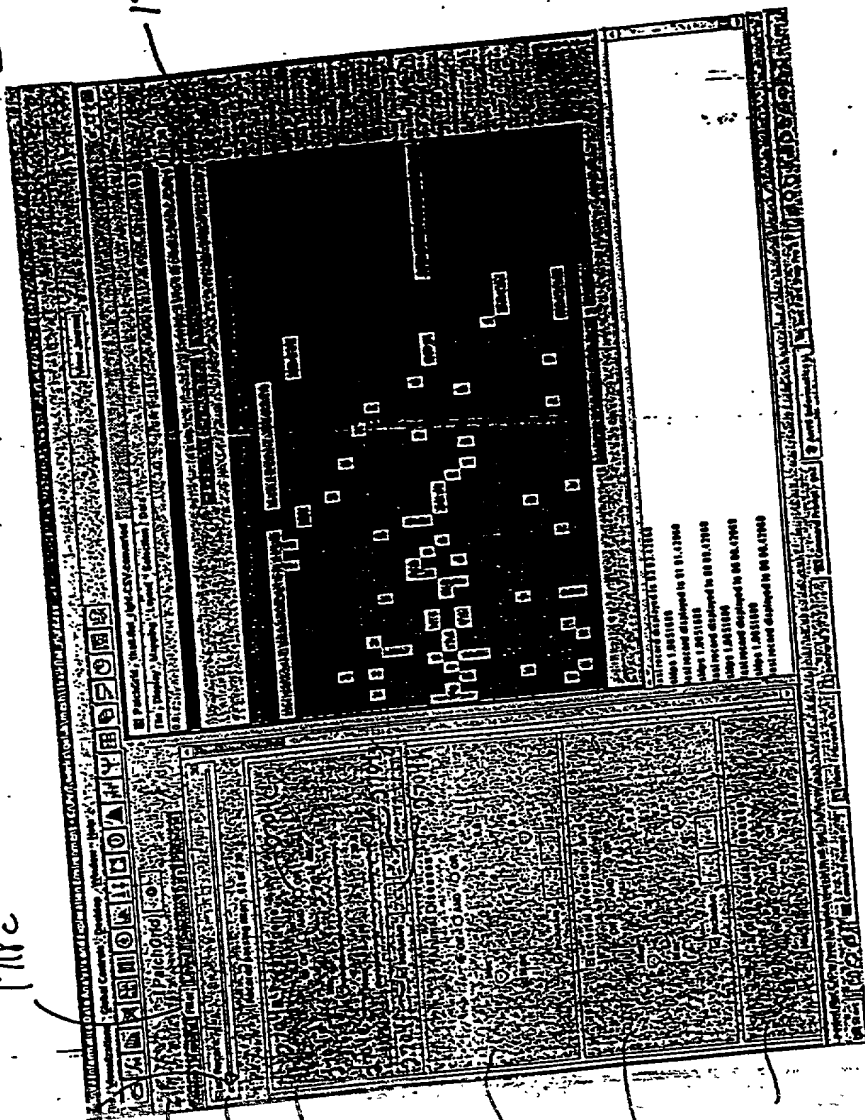


Figure 27

210917

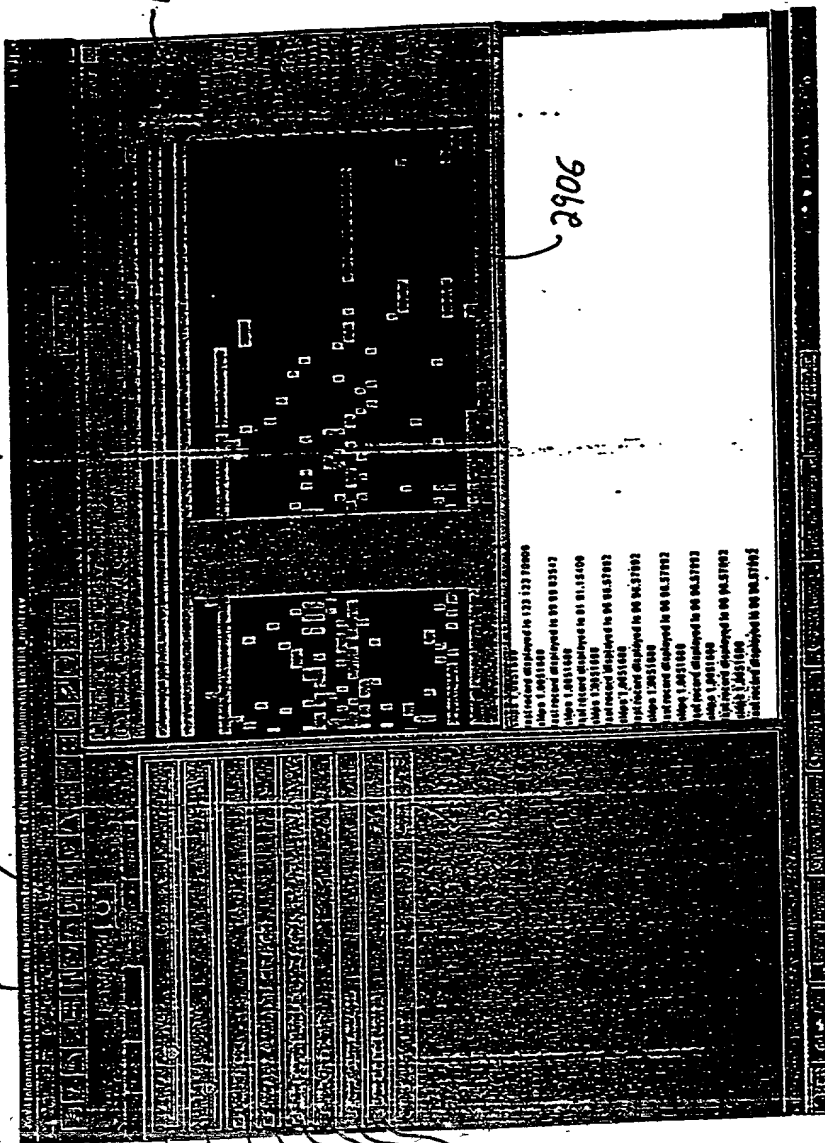
16156

204290" 269200T

2900

1706

2904 2204



2171

Figure 29

204290-269200T

1716d 1716e 1716f

3000

1716a 1716b 1716c

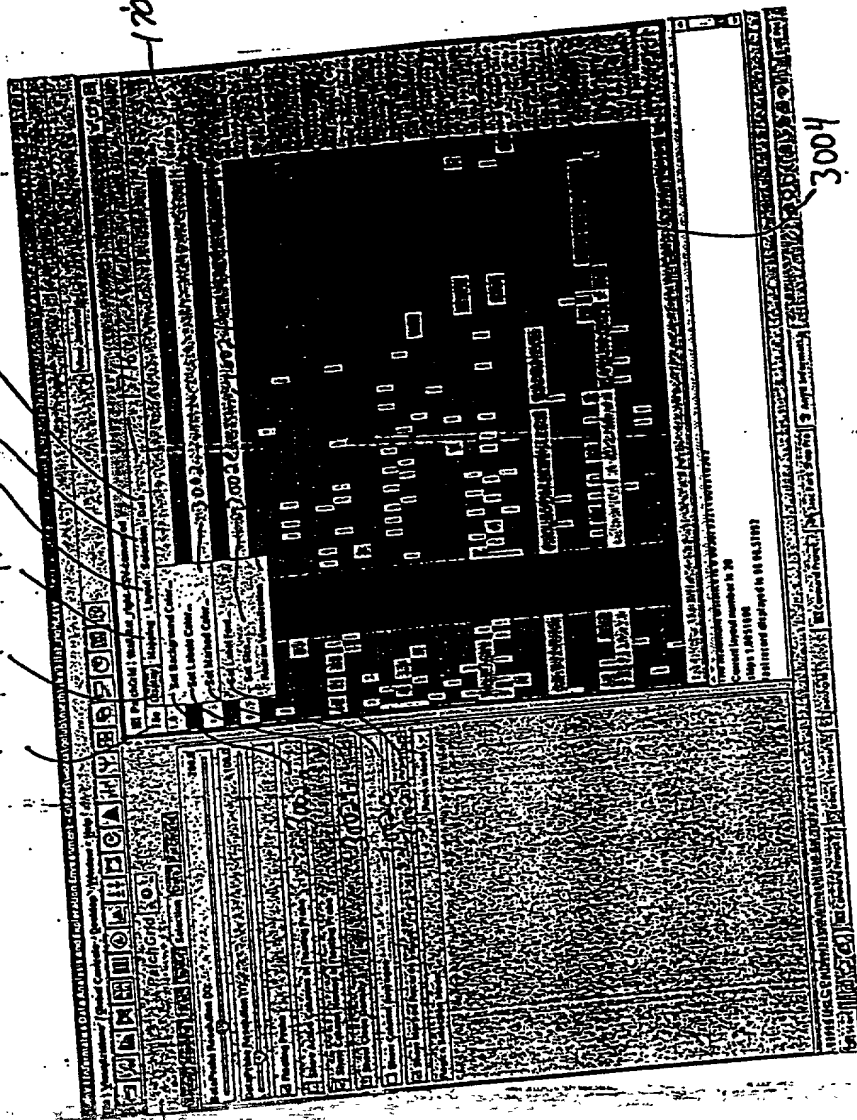


Figure 30

2218917

204290 269700T

3100

1716z

1700

1708

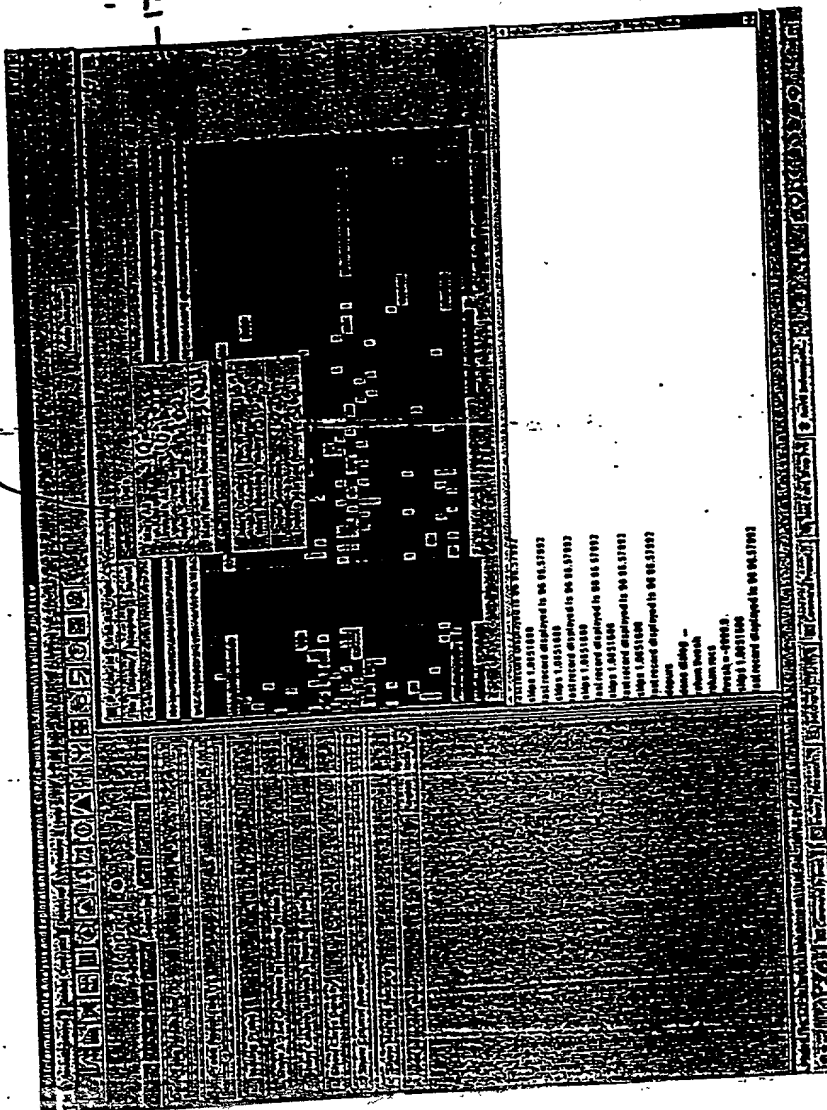


Figure 31

204290" 269400T

3200

1766

1706

1708

3204

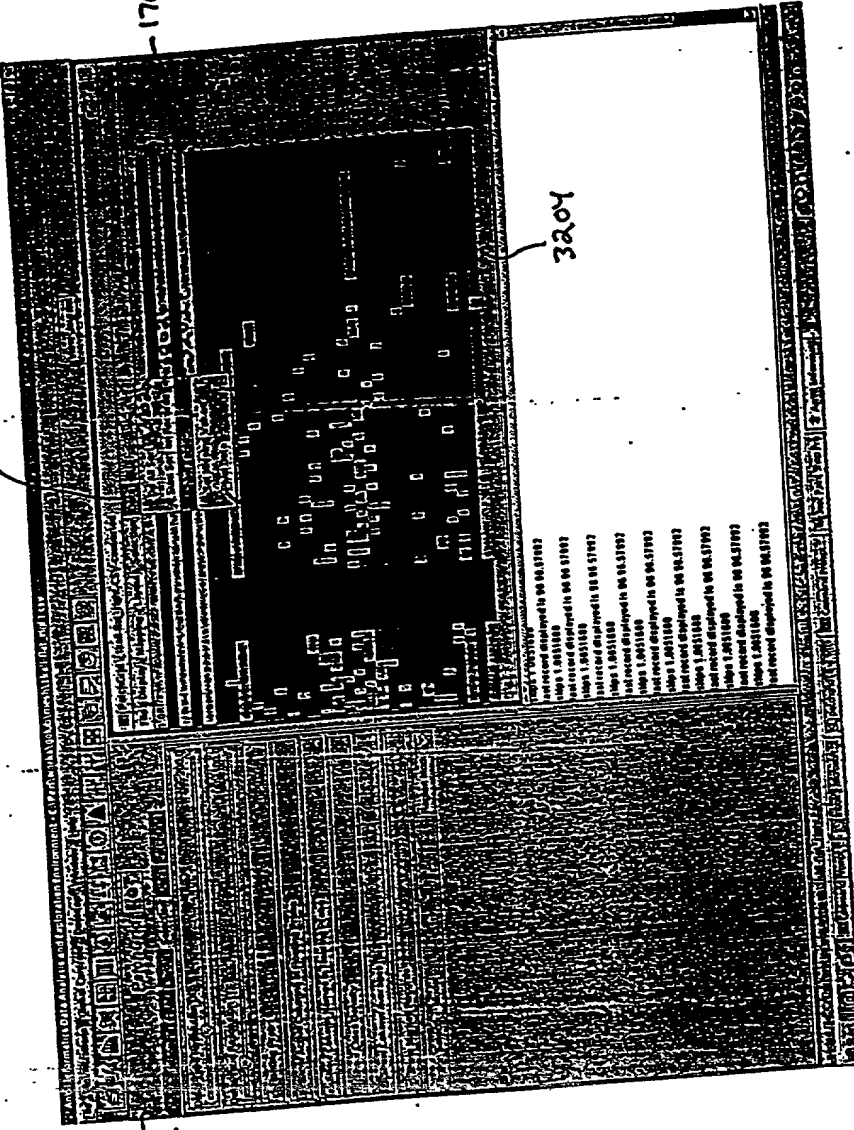
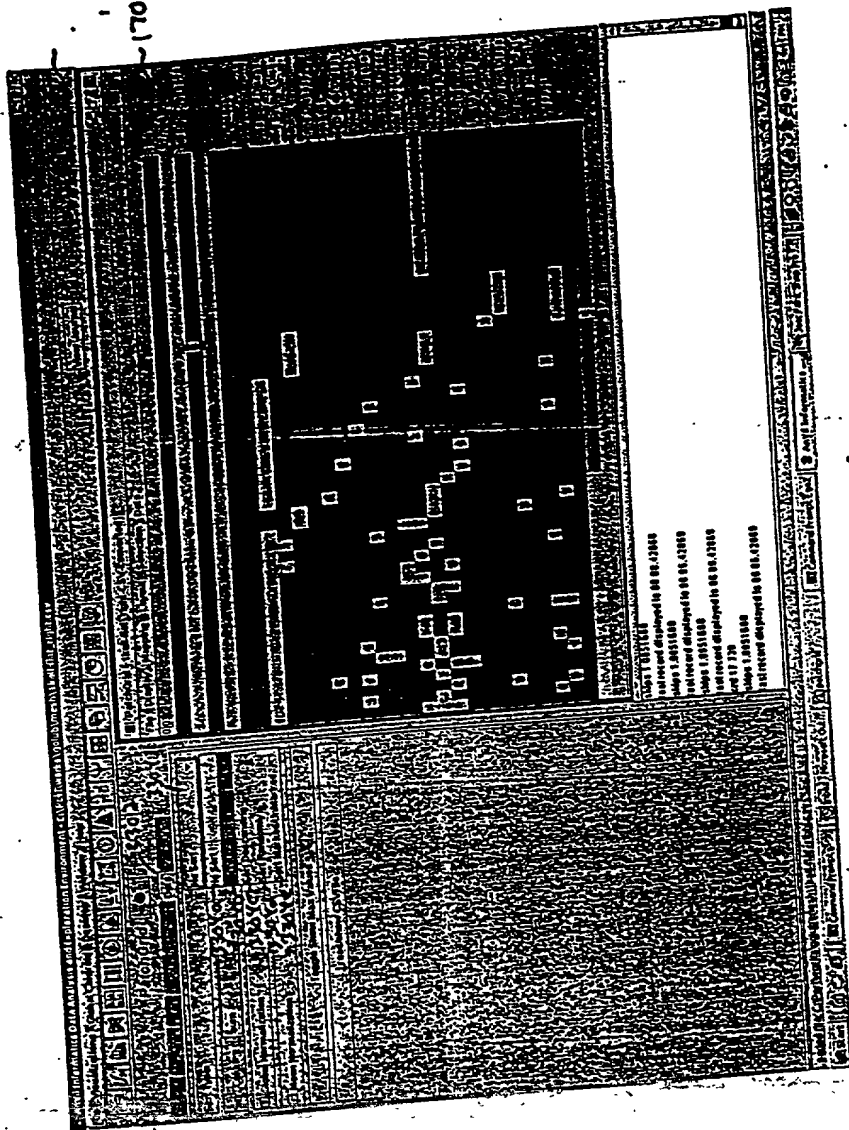


Figure 32

204290-269700T

3300

1706



1708

Figure 33

Treatment Outcome Prediction

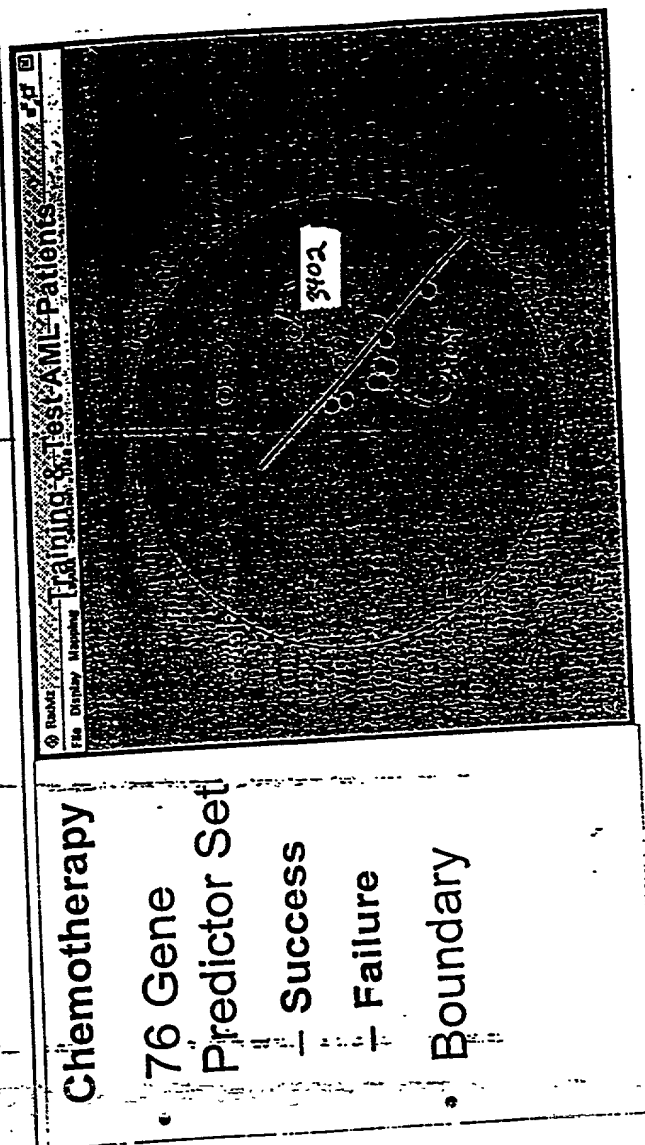


Figure 34

Reduced Genes

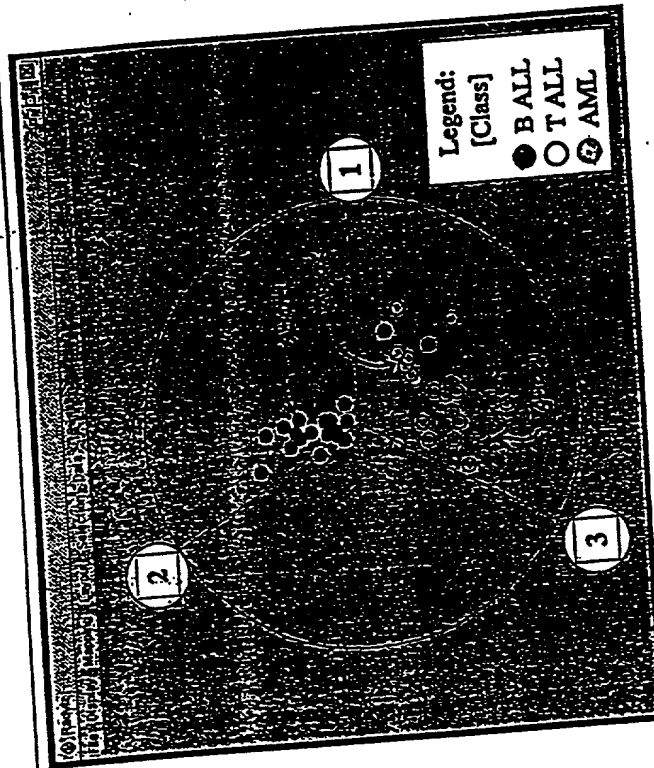


Figure 35

Chemical Structure

Benzodiazepines

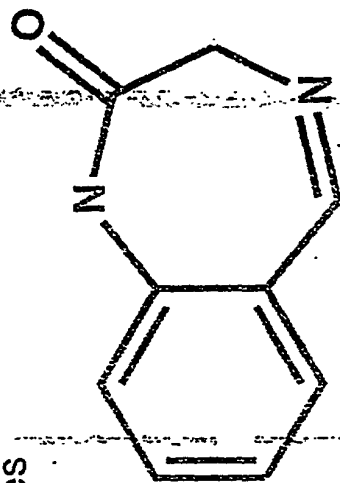


Figure 36

2273661

Radial Visualization Showing R₃ Attributes

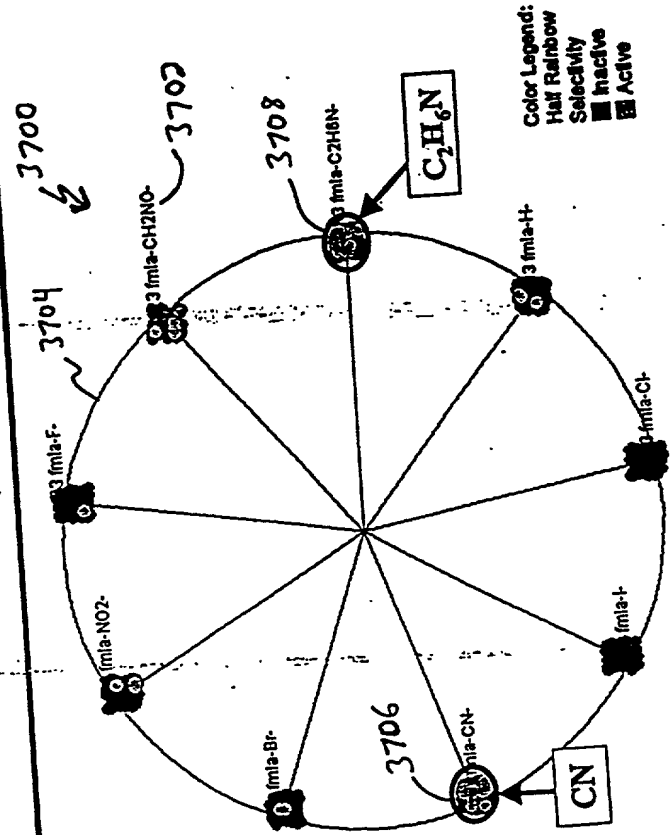


Figure 37

Radial Visualization Showing R₃ & R₄ Attributes

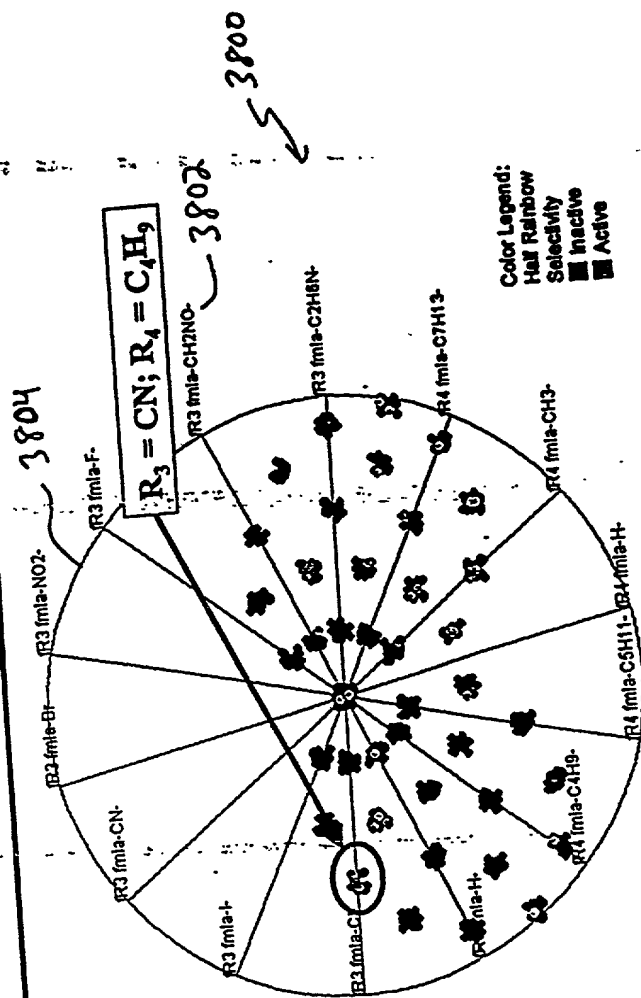


Figure 38

Radial Visualization Showing R₃ & R₄ Attributes

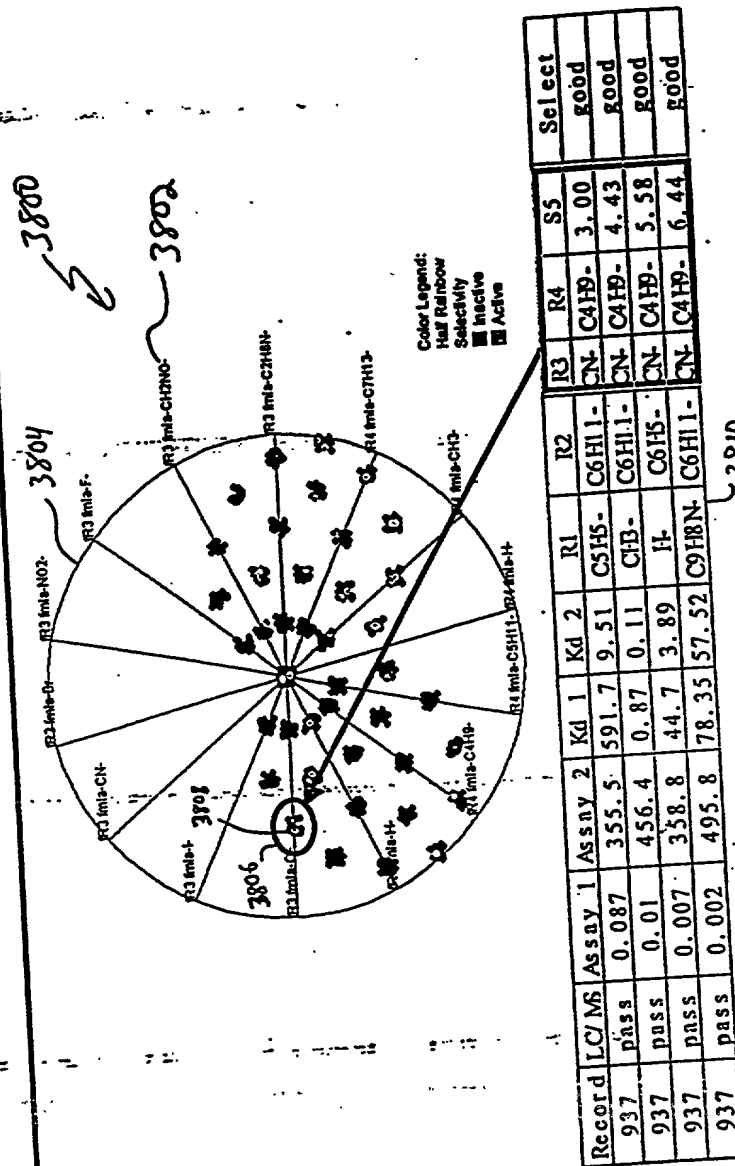
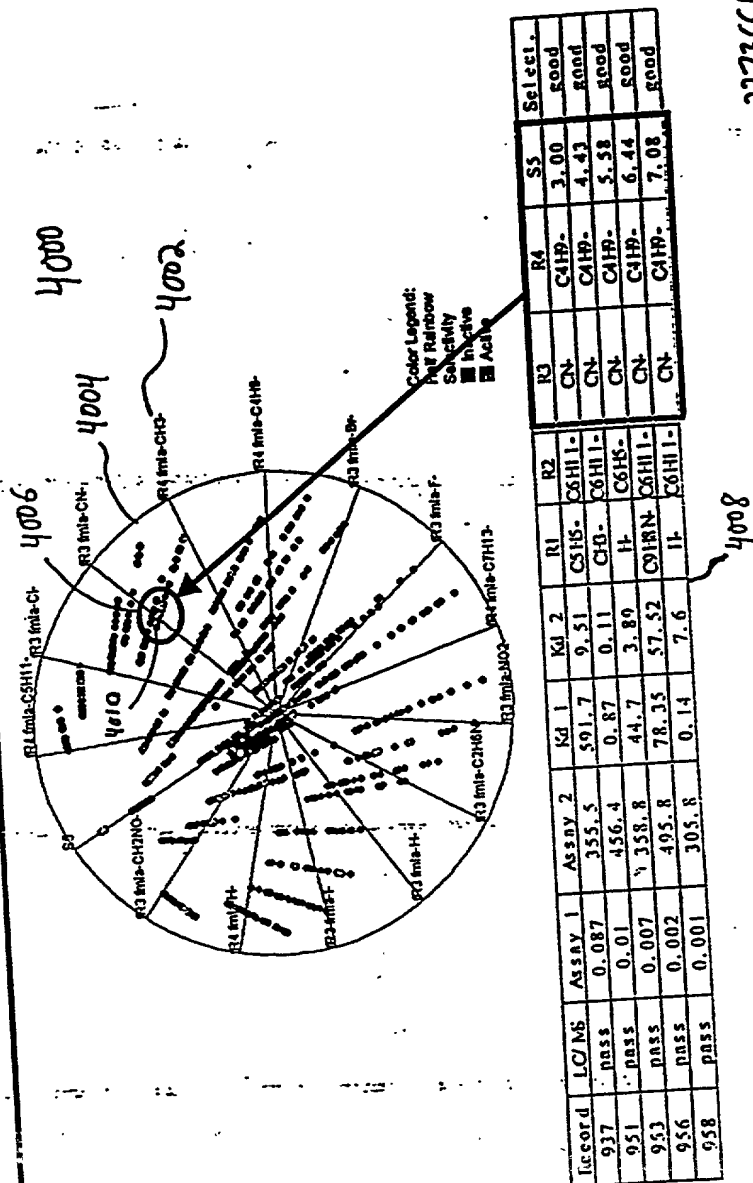


Figure 39

Figure 40

Radial Vision Showing R_3 , R_4 & S_5 Attributes



Find 41

2273661

Pearson Cross Correlations

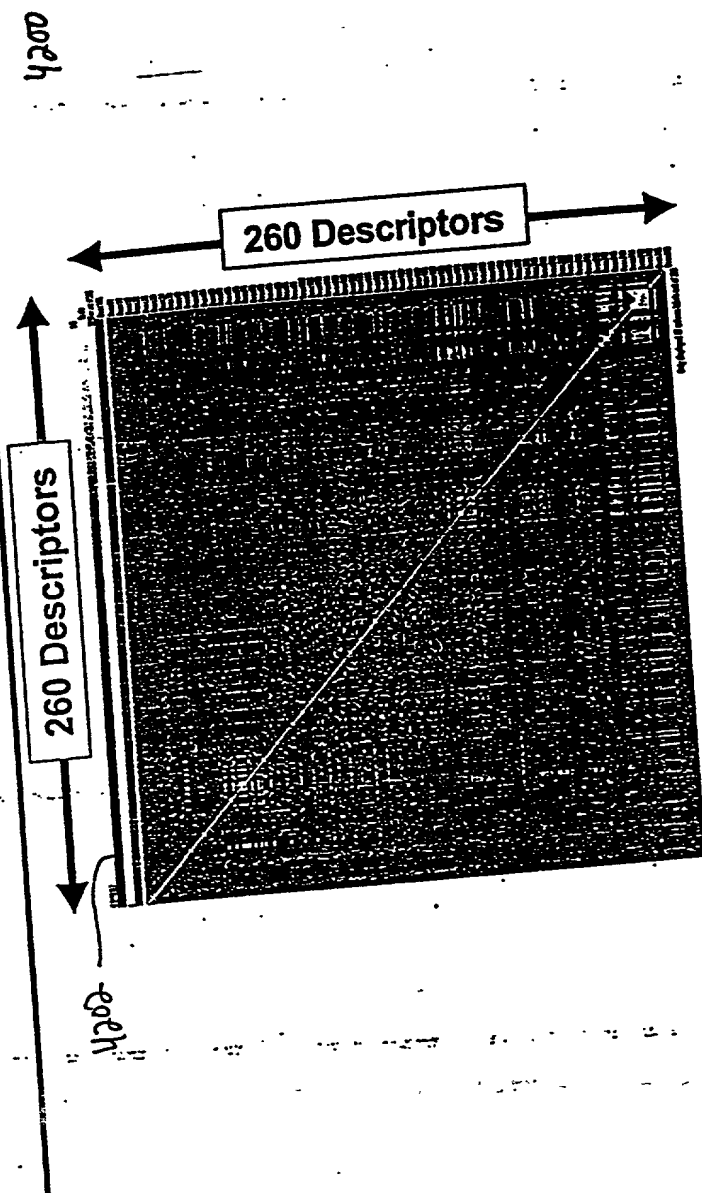


Figure 42

ISIS Keys

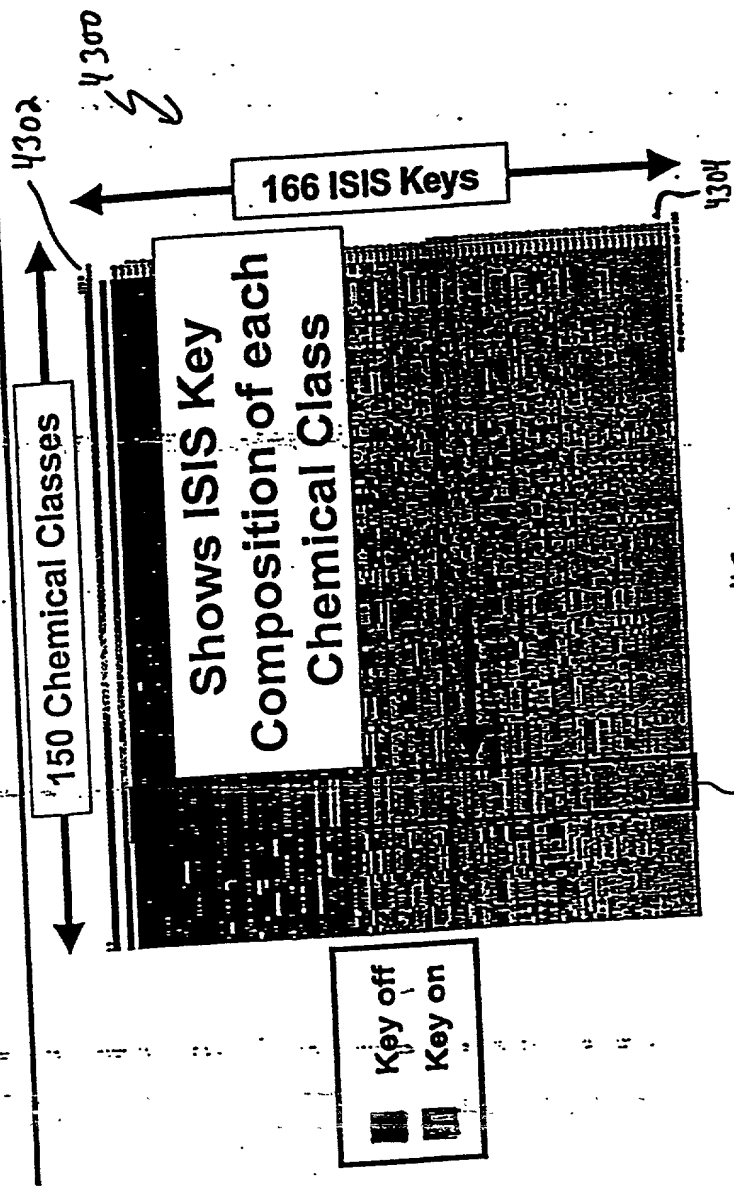


Figure 43

2273661

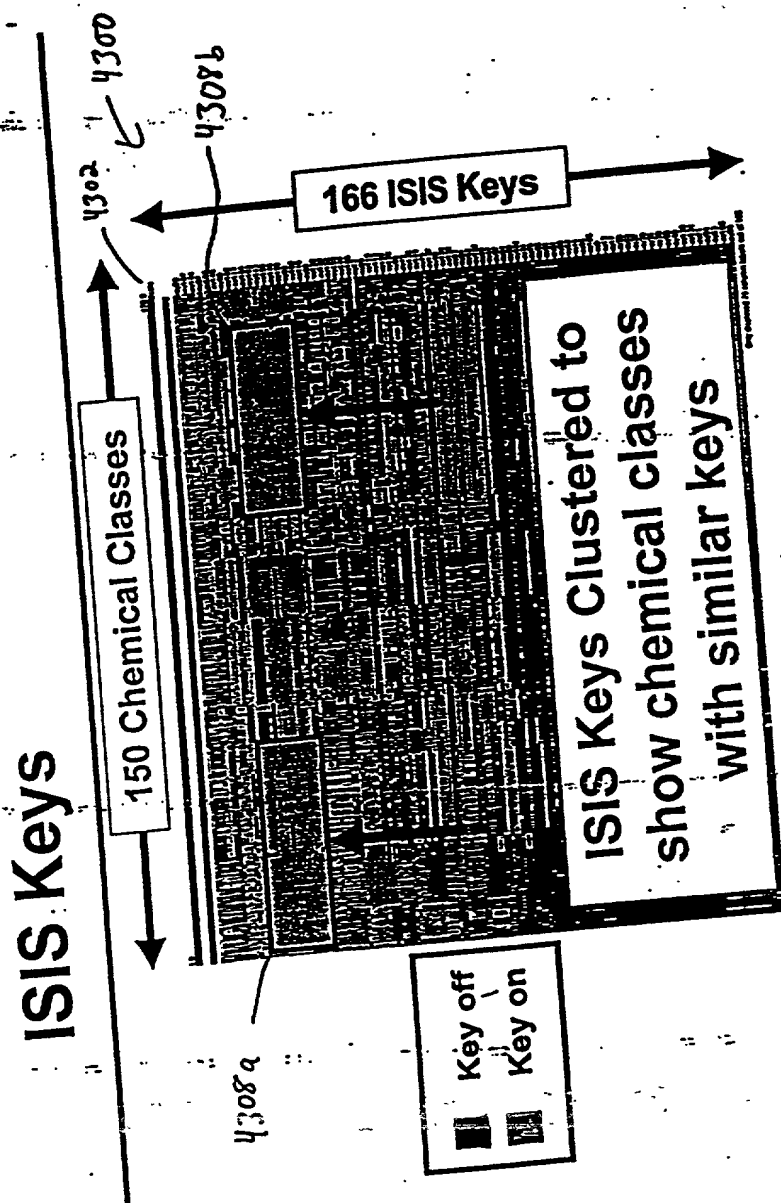


Figure 44

Association Rules - Visually

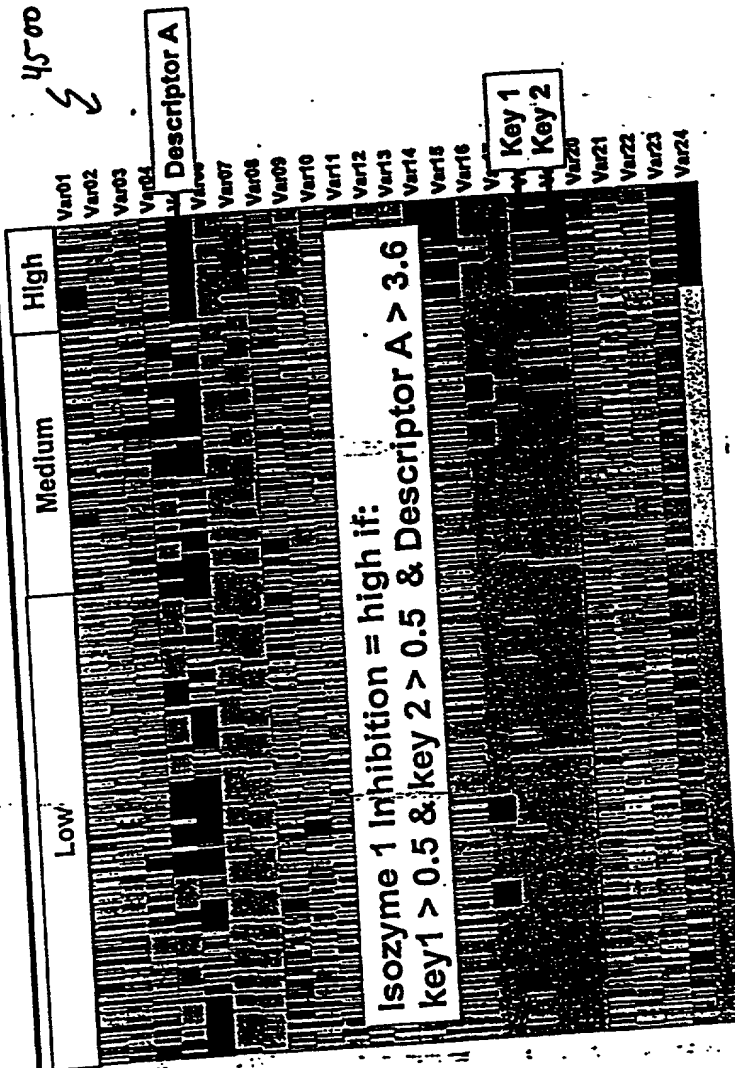


Figure 45

Exploratory Overview

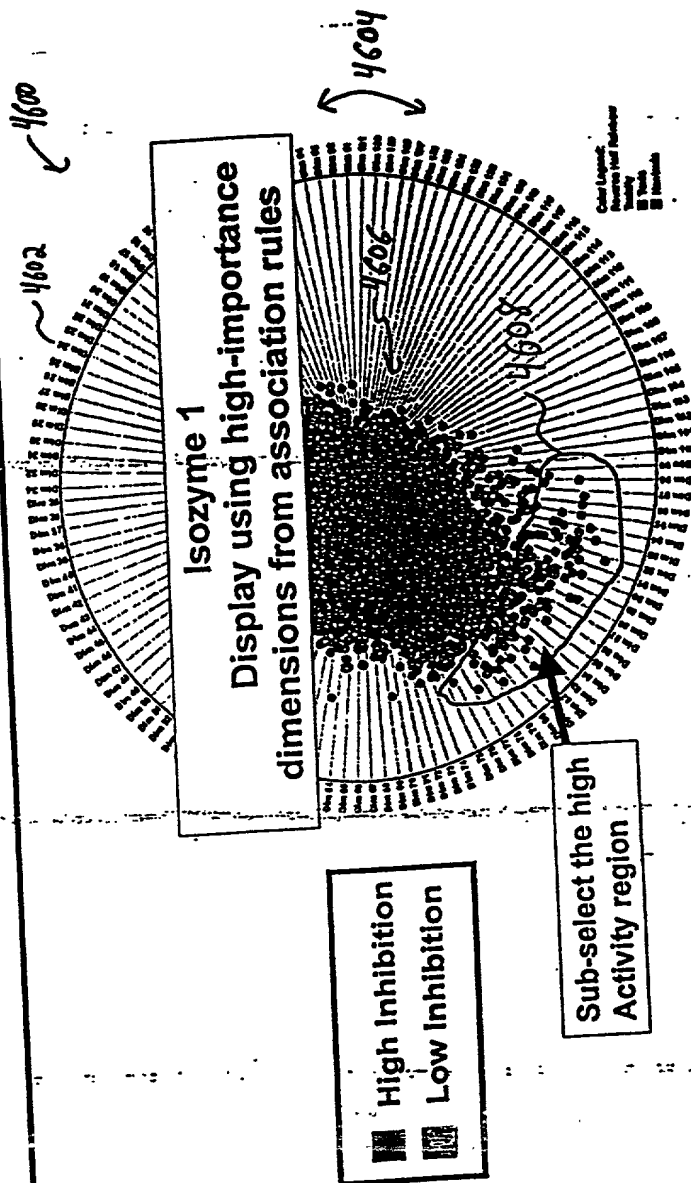


Figure 46

204290" 269/200T

Toxic Distinction

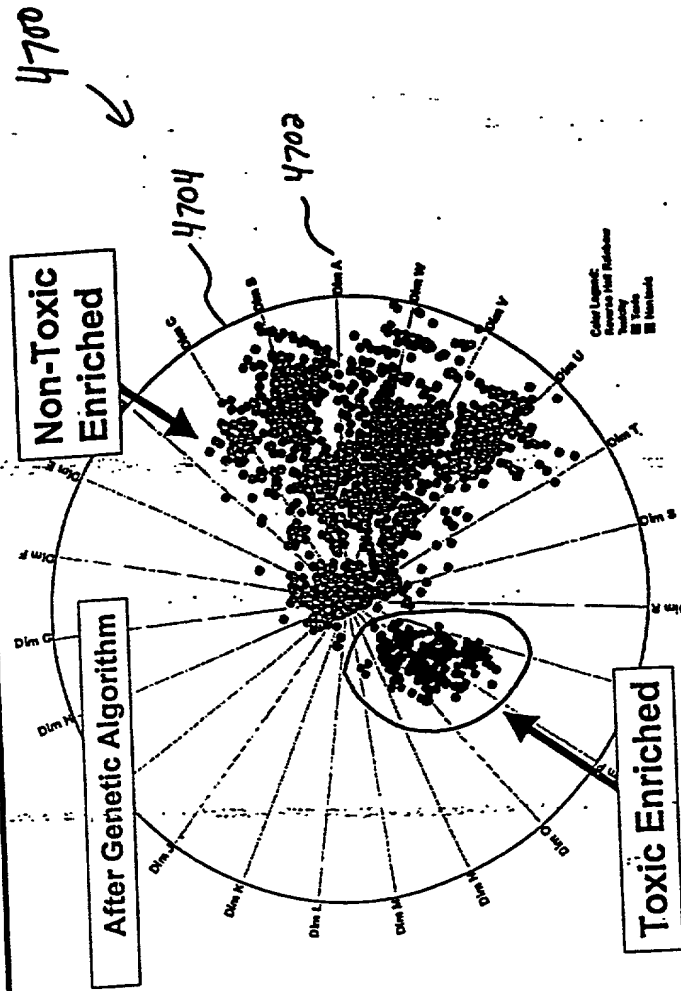


Figure 47

2884115

Toxic Distinction

After AP Algorithm



Figure 48

2073661

10077692-053402

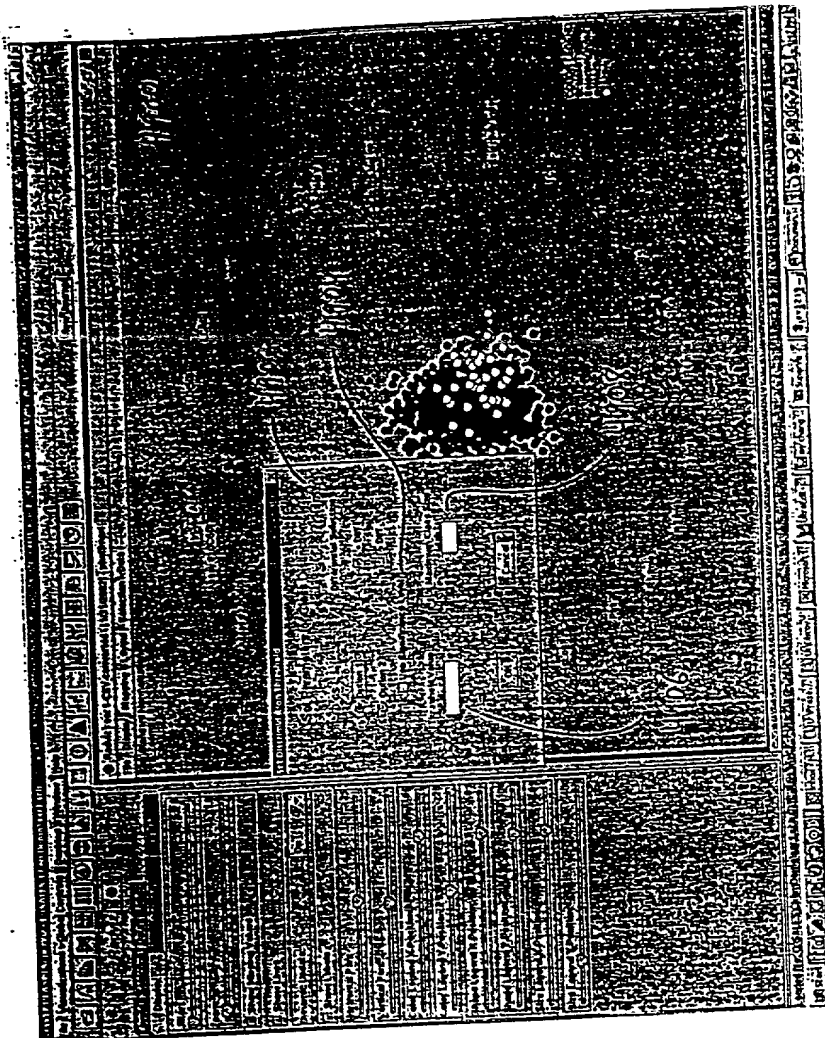


Figure 49